

20021227.qrp v02_n782.qrl.20021227

Date: Fri, 27 Dec 2002 19:03:06 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2782

QRP-L Digest 2782

Topics covered in this issue include:

- 1) [143211] Storm damage
by "Mike Yetsko" <myetsko@insydesw.com>
- 2) [143212] Re: [fpqrp] Re: Garage Time and Discoveries - A little long
by "w8diz" <w8diz@fpqrp.com>
- 3) [143213] Re: OT: National CB Channel 21.430
by William R Colbert <w5xe@juno.com>
- 4) [143214] Re: The Radio Shack HTX-10: A Quick Review
by "tmyers" <tmyers@AcademicPlanet.com>
- 5) [143215] Radio Shack HTX-10 followup
by "Charles Mabbott" <aa8vs@msn.com>
- 6) [143216] Re: OT: National CB Channel 21.430
by "Francis Callahan" <colcal@srv.net>
- 7) [143217] Re: OT: National CB Channel 21.430
by Jerry Lofstead <w3cde@bellsouth.net>
- 8) [143218] Re: qrp WAS
by "Bob Tellefsen" <n6wg@earthlink.net>
- 9) [143219] Re: Radio Shack HTX-10 followup
by "brian" <brian@iquest.net>
- 10) [143220] Re: Storm damage
by Chris Cartwright <ccart@phideaux.com>
- 11) [143221] OT Field Services/ National CB Channel 21.430
by "W2WU" <w2wurjj@verizon.net>
- 12) [143222] Re: Radio Shack HTX-10 followup
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
- 13) [143223] Re: Storm damage
by Alex <kr1st@amsat.org>
- 14) [143224] Re: Storm damage
by "Mike Yetsko" <myetsko@insydesw.com>
- 15) [143225] Re: Radio Shack HTX-10 followup
by Alex <kr1st@amsat.org>
- 16) [143226] Vertical Antenna Question?
by "Ronald Davis" <ke4vpn@carolina.rr.com>
- 17) [143227] Re: Radio Shack HTX-10 followup
by "brian" <brian@iquest.net>
- 18) [143228] Fox - Winter Fox Hunt Teams Results.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 19) [143229] History of Sound

- by "Ron Polityka" <wb3aal@fast.net>
- 20) [143230] RE: GB> Filter Design, Modeling and Testing
by Nick Kennedy <nkennedy@tcainternet.com>
- 21) [143231] RE: GB> Filter Design, Modeling and Testing
by "Brad Hernlem" <alihernlem@hotmail.com>
- 22) [143232] Re: Resultls of some impromptu testing of the AE0CW(N0
by David Gauding <david.gauding@bbs.galilei.com>
- 23) [143233] Re: Vertical Antenna Question?
by "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
- 24) [143234] RE: QRP W.A.S.
by "George Osier" <gosier@twcny.rr.com>
- 25) [143235] Re: Destroying CD's
by George Gingell <k3tks@u1.abs.net>
- 26) [143236] Re: Destroying CD's
by Brian Short <bshort4@cox.net>
- 27) [143237] Where do CDs go when they die?
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 28) [143238] Re: Destroying CD's
by "brian" <brian@iquest.net>
- 29) [143239] 5 watt web page
by "Mike Duke, K5XU" <k5xu@jam.rr.com>
- 30) [143240] Re: 5 watt web page
by Fred Lesnick <flesnick@tbaytel.net>
- 31) [143241] re: destroying CDs
by <ke5tc@crosstel.net>
- 32) [143242] VP6DI card received [g]
by "Doc K0EVZ" <dock0evz@earthlink.net>
- 33) [143243] RE: Where do CDs go when they die?
by Karl Kanalz <kkanalz@gcecispc.com>
- 34) [143244] RE: Destroying CD's In The Dishwasher
by Karl Kanalz <kkanalz@gcecispc.com>
- 35) [143245] Re: Destroying CD's
by "Mike Yetsko" <myetsko@insydesw.com>
- 36) [143246] RE: Where do CDs go when they die?
by "Dave Richards" <wr3i@earthlink.net>
- 37) [143247] Re: Destroying CD's
by "John J. McDonough" <wb8rcr@arrl.net>
- 38) [143248] Re: Storm damage
by "Karl F. Larsen" <k5di@zianet.com>
- 39) [143249] RE: Where do CDs go when they die?
by Michael Clark <mdc@oldboy.net>
- 40) [143250] Re: Where do CDs go when they die?
by "Mike Yetsko" <myetsko@insydesw.com>
- 41) [143251] PANPOLE antenna details
by ARDUJENSKI@aol.com
- 42) [143252] CI-V I/O for Icom es Kwood, other MFRs TBD :>))
by John R Kirby <n3aaz-qrp@juno.com>
- 43) [143253] RE: OT: National CB Channel 21.430

by "AI2Q" <ai2q@adelphia.net>
44) [143254] RE: OT: National CB Channel 21.430
by Bill ROWLETT <kc4atu@yahoo.com>
45) [143255] RE: Where do CDs go when they die?
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
46) [143256] toroid head scratcher
by David Hinerman <WD8CIV@worldnet.att.net>
47) [143257] RE: toroid head scratcher
by Nick Kennedy <nkennedy@tcainternet.com>
48) [143258] RE: toroid head scratcher
by David Hinerman <WD8CIV@worldnet.att.net>
49) [143259] Microwave cooked CDs--technical basis?
by Nick Kennedy <nkennedy@tcainternet.com>
50) [143260] Re: Microwave cooked CDs--technical basis?
by David Hinerman <WD8CIV@worldnet.att.net>
51) [143261] ARRL Members Only QRP Item
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
52) [143262] Re: toroid head scratcher
by "Bob Tellefsen" <n6wg@earthlink.net>
53) [143263] RE: Where do CDs go when they die?
by Steven Weber <kdl1jv@moose.ncia.net>
54) [143264] RE: toroid head scratcher
by "Leon Heller" <leon_heller@hotmail.com>
55) [143265] RE: Where do CDs go when they die?
by David Hinerman <WD8CIV@worldnet.att.net>
56) [143266] Power connector for FT-817
by Ray Sills <raysills@1stconnect.com>
57) [143267] RE:Aluminum (aluminium) Layer in a CD
by Karl Kanalz <kkanalz@gceecisp.com>
58) [143268] Solar power regulator for RockMite
by n5ib@juno.com
59) [143269] Re: Power connector for FT-817
by Chuck Carpenter <w5usj@9plus.net>
60) [143270] Re: Power connector for FT-817
by David Hinerman <WD8CIV@worldnet.att.net>
61) [143271] Loop Antennas
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
62) [143272] The "AOL" CD Vari-cap
by Chris Cartwright <ccart@phideaux.com>
63) [143273] Re: Power connector for FT-817
by "Tim, N9PUZ" <n9puz@arrl.net>
64) [143274] RE: Where CDs and Socks Go When They Die
by Karl Kanalz <kkanalz@gceecisp.com>
65) [143275] Re: The "AOL" CD Vari-cap
by tomb@kiva.net (Thomas H. Busch)
66) [143276] RE: Microwave cooked CDs
by Karl Kanalz <kkanalz@gceecisp.com>
67) [143277] Re: Loop Antennas

by KD5NWA <KD5NWA@cbayona.com>
68) [143278] RE: ARRL Members Only QRP Item - Correction
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
69) [143279] OT: Amateur Radio Software Webring
by "Mark Andrews" <KE4IOF@KE4IOF.com>
70) [143280] Re: The "AOL" CD Vari-cap
by David Hinerman <WD8CIV@worldnet.att.net>
71) [143281] Re: The "AOL" CD Vari-cap
by "Mike Yetsko" <myetsko@insydesw.com>
72) [143282] Technical Article Heaven!
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
73) [143283] Re: The "AOL" CD Vari-cap
by "George, W5YR" <w5yr@att.net>
74) [143284] Re: The "AOL" CD Vari-cap
by David Hinerman <WD8CIV@worldnet.att.net>
75) [143285] Latest Addition...
by Paul Valko <w8kc@comcast.net>
76) [143286] Re: Solar power regulator for RockMite
by "Joe Martin" <km5cw@arrl.net>
77) [143287] Re: Latest Addition...
by W2AGN <w2agn@w2agn.net>
78) [143288] WAS Paper work
by "Karl F. Larsen" <k5di@zianet.com>
79) [143289] AOL CD as stripline transformer
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
80) [143290] Marconi Special Event Station
by "Rod N0RC" <rod@n0rc.us>
81) [143291] Getting addresses
by "Karl F. Larsen" <k5di@zianet.com>
82) [143292] Re: WAS Paper work
by W2AGN <w2agn@w2agn.net>
83) [143293] Re: Getting addresses
by W2AGN <w2agn@w2agn.net>
84) [143294] Re: WAS Paper work
by "Bob Tellefsen" <n6wg@earthlink.net>
85) [143295] WAP-2003 Contest
by "w8diz" <w8diz@fpqrp.com>
86) [143296] Re: WAP-2003 Contest
by Fred Lesnick <flesnick@tbaytel.net>
87) [143297] DSWTUN03 hardware interface prototype designed, built, tested...
(long)
by "Bill, N4QA" <n4qa@hotmail.com>

Date: Thu, 26 Dec 2002 19:03:46 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [143211] Storm damage
Message-ID: <004201c2ad3b\$6ec560a0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone else have any damage from the storm?

I went to play with the K2 and discovered my antenna is down on the ground...

I would have taken the time to get 'something' back up, but I had to chip out the cars first...

Mike

Date: Thu, 26 Dec 2002 19:08:54 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: "Dave WR50" <dendav@dzn.com>, "QRPL" <qrp-l@lehigh.edu>, "Flying Pigs" <fpqrp-l@mpna.com>
Subject: [143212] Re: [fpqrp] Re: Garage Time and Discoveries - A little long
Message-ID: <002101c2ad3c\$2541d6b0\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 8bit

Gotta put my 2 cents in here...

I bought a large roll of #26 PARAWIRE for the MP+ kits. This stuff is great...just a little heat and the insulation melts so you can tin it. Just be careful when winding toroids... it's not very tough stuff...it will wear thru the insulation if you are ruff with it while winding, especially the FT series.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400
<http://kitsandparts.com>

----- Original Message -----

From: "Dave WR50" <dendav@dzn.com>
To: "QRPL" <qrp-l@lehigh.edu>; "Flying Pigs" <fpqrp-l@mpna.com>

Sent: Thursday, December 26, 2002 6:39 PM

Subject: [fpqrp] Re: Garage Time and Discoveries - A little long

As a follow up to Jay's post:

I had initially posted on FPQRP about my experience with the enameled wire sold by Parawire (www.parawire.com/craftstore.html) . Jay's just being modest. If anything, Jay AJ4AY and Steve K8PZ pointed out to me that Michael's sells enameled wire. Now I understand why my wife didn't want me to go inside :-D.

My wife makes jewelry with beads and stuff, so I don't remember who "discovered" Parawire first. I just filed away the fact that they sold different sizes and colors of "magnet" wire, and when my wife wanted to order some stuff called memory wire to make something, I asked her to get Parawire's six pack special in 24 gauge. For six 60 foot rolls, it came to \$15.00. They carry 12 to 32 gauge wire, and also sell larger single rolls in assorted colors.

I don't have all the particulars in front of me and this post is going to be a little long, so you may want to check out their website at the URL above for what they have.

In summary, the 24 gauge six pack came with 60 feet each of four "regular" colors and two metallic, gold and silver. I suspected that the gold and silver had some type of metallic coating, and when checked with an ohmmeter, it read as a dead short. Being myopic, I couldn't even tell where I had stripped the leads on the gold colored wire. I concluded that since the coating was conductive, it was unsuitable for my use. The coating on the four "regular" colors did not conduct, so I used a T50-2 core and wound 10 turns of the new wire as a test. I also took this as an opportunity to check out Diz's toroid program and my AAE LC meter.

Diz's program calculated an inductance of 0.49 uH. I came up with 0.549 uH on the test toroid. I'm not an experienced builder, but I believe that 0.06 uH is not a significant difference for most cases, and I didn't try to tweak it. If I'm wrong, it's because 10% tolerance is good enough for most components and I just don't know any better :-). I then unwound the wire and examined the coating to see if it flaked off anywhere. I didn't see any, but remember I am myopic. It wasn't very difficult (perhaps 4 or 5/10 with 10 being impossible) to strip the ends.

I have no financial interest in Parawire. I just bought their wire, checked it out and concluded that at 4 cents a foot, it wasn't a bad deal for something to make my building a little easier. YMMV. For those who don't have a Hobby Lobby, Michael's or other craft store chain locally, it may be an option.

Season's Greetings to all!

72/73 es oo,

Dave Winfield, WR50
El Paso, Texas DM61ts
FP# -109, SOC #371, ARS #996,
Zombie #793, QRPp #328, ARRL

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"Oink Oink"

graphic swiped from VA3RJ

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.431 / Virus Database: 242 - Release Date: 12/17/02

-To unsubscribe, mail to majordomo@fpqrp.com, msg: unsubscribe fpqrp-l -

Date: Thu, 26 Dec 2002 17:10:15 -0700

From: William R Colbert <w5xe@juno.com>

To: qrp-l@lehigh.edu

Subject: [143213] Re: OT: National CB Channel 21.430

Message-ID: <20021226.171016.-583769.5.w5xe@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

You will also find cb operations both AM and SSB on
28.530, 28.630-635 and in the AM part of the band
29.0 - 29.2 - maybe higher. Additionally, there is an
increasing SSB presence around 14.060 down to 14.025,
mostly fishing boats, but some cb types as well.
Good luck with getting anything from Jim Haynie. I had
the most unpleasant task of trying to get him to move on
a 30 meter problem some years ago when he was the
West Gulf Division Director. Like getting a stump to jump.
As a result, the ARRL endorsed Winlink Program moved

out of the data part of 30 down to encompass 10.119 on the low side, totally ruining the part of the band between 119 and 125. Got tired of writing as it was doing no good. The FCC has closed all of their monitoring stations and rely on the master control at Laurel Maryland for properly selecting the 15 or 16 remoted units - often getting nothing.

Date: Fri, 27 Dec 2002 00:11:14 -0600
From: "tmyers" <tmyers@AcademicPlanet.com>
To: <wkhibbert@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [143214] Re: The Radio Shack HTX-10: A Quick Review
Message-ID: <002201c2ad6e\$c4b99660\$0100a8c0@newkid>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Look at the FREEBAND web pages. They have all kinds of mods available for these rig and others like them. Including chip sets and ROMs. These seem to be some of the popular freeband rigs and that seems to be their market niche. They will even work on 12M and up.

KQ5U, Terry
Spring, Texas

----- Original Message -----
From: <wkhibbert@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, December 26, 2002 12:24
Subject: The Radio Shack HTX-10: A Quick Review

> Hi. Keith here in the VERY SNOWY Depths of the Great Bergen Swamp
>
> With the renewed interest in the Radio Shack 10 Meter rig, the HTX-10,
I
> thought I would pass on my observations on the one I have been
running;
>
> The HTX-10 is a 25 watt single-band 10 Meter transceiver. The
available
> modes are SSB, both Upper and Lower, FM and AM. The rig runs 25 watts
> out (nominal) on SSB and FM and 7 watts carrier on AM. There is no CW
> mode included, but you can receive CW just fine in either sideband.

>
> The HTX-10 is the size of a large SSB/AM CB rig. It covers from
28.000
> to 29.699 MHz. Radio Shack had their supplier provide the rig with a
CPU
> that thwarts attempts by CB'ers and Freebanders to move it down to the
CB
> channels (and between 10M and 11M). I have yet to see a mod that has
> been tested out as reliable.
>
> There are 5 memory channels or the VFO mode. The VFO tunes in steps,
1
> KHz, 10 KHz or 100 KHz. There is a fine-tune knob that allows you to
> tune right in on the station you are working. It swings +/- 1.6 KHz
on
> mine. For the FM repeaters, there is a programmable offset, it
defaults
> at 600 KHz so you have to reset it to 100 KHz with a "Minus" offset to
> use the existing repeaters. The offset can also be used for split DX
> but I have never tried that.
>
> The mike has the switching for the audio mute in it. This means that
you
> have to have the mike plugged in to receive anything. The reason for
> this is that the audio section is switched over on AM to be used as
the
> modulator. The connector is odd, but is available from either
Universal
> Radio or Hosfelt Electronics.
>
> The TX signal is good, great reports on SSB/FM and especially on AM.
I
> have been running the rig in the truck, and with a cut down CB magnet
> mount can work most anyone I can hear. I took a converted CB that I
also
> have on 10 Meter AM out and had my wife (Anne, WB1GVL) call me on 10
> Meters with the HTX-10. Lots of clean audio and great fidelity. It
> sounds equally as good as my old 6146 final 6 Meter rig with an Eico
> modulator that I ran in the mid 60's.
>
> Power-wise, the HTX-10 takes 12 - 16 volts at 4 amps on TX. The
> receiver, with the volume cranked to hear over the truck noise, pulls
> about 1.5 amps, and about 600 ma squelched. The squelch works on all
> modes.
>
> FM reports are consistently good, and we have a pair of local FM
> repeaters here in the Rochester, NY area, one in Buffalo, too. I get
> fine reports with the 25 watts on all the machines.

>
> The crystal filter is W-I-D-E! The bandwidth on SSB is about 3.5 KHz
at
> -6 dB and better than 6 KHz at -30 dB. This is NOT a contest rig for
the
> packed band. During the 10 Meter contest, I ran up above 28.8 MHz and
> had no problem with adjacent signals, and still found plenty of QSO's.
> The output on SSB can be throttled back to QRP just by turning the
mike
> gain (a front panel control) back. On AM and FM, the power is fixed.
I
> have heard that there are internal adjustments to crack it down, but
> never checked into it myself.
>
> The documentation stinks. A little thin operating manual, no
schematics
> and no specifications. The book is adequate to get you on the air and
> contains warnings about having an amateur license before you run the
rig.
>
> All in all, the rig is worth the asking price, even before the current
> sale. It would be ideal for a local net on 10 Meters or casual DX
from
> the vehicle or home.
>
> No commercial interest or ties to Radio Shack, I just use their
> products...
>
> 73, Wm. Keith Hibbert, WB2VUO, TC/WNY ARRL Section
> President, Brockport Amateur Radio Klub
> "My night light runs more power than my Rig!!!"
>
>
> -----
> Sign Up for Juno Platinum Internet Access Today
> Only \$9.95 per month!
> Visit www.juno.com
>

Date: Thu, 26 Dec 2002 08:58:30 -0500
From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-1@Lehigh.EDU
Subject: [143215] Radio Shack HTX-10 followup
Message-ID: <F17zbAUfKRfcjcMzfoV0000854b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I was talking to the store manager and the feeling at Radio Shack [as he perceived it] that there was no interest in the ham radio [HTX 10] so it was being dropped. The last one they had went for \$59 [w/o box]. I asked if he thought it was being dropped because something else was coming out, but he was not aware of anything to replace it.

Wonder if anyone else on the list has heard the same thing from Radio Shack??

73 oo
Chuck AA8VS

"Whoever said the pen is mightier than the sword obviously never encountered automatic weapons."

<http://68.43.100.7:81/aa8vs>

>From: Mark Gilger <mgilger@brightdsl.net>
>Reply-To: mgilger@brightdsl.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Re: Radio Shack HTX-10
>Date: Thu, 26 Dec 2002 08:25:55 -0500
>
>Does anyone know if the radio does AM?
>Mark
>
>At 12:51 PM 12/25/2002 -0500, Radioham wrote:
>>There has been a lot of discussion on other lists about the demise of
>>Radio Shack ham radio products, so I wandered into a local one on Monday
>>and the only thing they had was the HTX-10 on clearance for \$90. That's
>>down from an original price of \$150. I know it's not a perfect rig (as
>>many have stated here), but that was a buy price for me. Hooked it up in
>>the car and immediately started working DX. Not bad for 25 watts max (you
>>can dial the power down easily from the front panel) and a sawed off CB
>>whip.
>>
>>Don't know how many are left in stock elsewhere - the one I purchased was
>>the last one my local store had in a box, but it looks like there won't be
>>any more RS ham equipment coming out in the future.
>>

>>72/73,
>>
>>Steve, N4EUK
>>Reston, VA

STOP MORE SPAM with the new MSN 8 and get 3 months FREE*.
<http://join.msn.com/?page=features/junkmail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=>
http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_stopmorespam_3mf

Date: Thu, 26 Dec 2002 17:41:33 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <w5xe@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [143216] Re: OT: National CB Channel 21.430
Message-ID: <000701c2ad40\$b5b2c7a0\$9eca1341@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It is amasing what tunning a highpower amp on the frequencys where the idiots
are operating it drives them nuts also operating am right next to them 72
Cal KF7ET

----- Original Message -----
From: "William R Colbert" <w5xe@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, December 26, 2002 5:10 PM
Subject: Re: OT: National CB Channel 21.430

> You will also find cb operations both AM and SSB on
> 28.530, 28.630-635 and in the AM part of the band
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> FCC has closed all of their monitoring stations and rely on
> the master control at Laurel Maryland for properly selecting
> the 15 or 16 remoted units - often getting nothing.

Date: Thu, 26 Dec 2002 19:40:49 -0500
From: Jerry Lofstead <w3cde@bellsouth.net>
To: ARDUJENSKI@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [143217] Re: OT: National CB Channel 21.430
Message-ID: <3E0BA191.F8E3AF51@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On 10 Meter SSB, almost everything above 28.4 and on the 5 KC
interval between the 10's i.e. 15,25,35,35 etc. are HFers.
The truckers hang out above 28.5 on the 5 KC increments...

Jerry
W3CDE

ARDUJENSKI@aol.com wrote:

>
> I know this is a bit off QRP but if you want to hear what amateur radio has
> degenerated to give a listen on 21.430 any time after 1600Z. I got introduced
<SNIP>

Date: Thu, 26 Dec 2002 16:43:51 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [143218] Re: qrp WAS
Message-ID: <MABBJOEABOILMKCJCLFCCEEFDOAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's a perfectly good idea, Karl.
I think I responded to all the QSLs
I received over the years as a Fox.
Go for it.

73, Bob N6WG

Date: Thu, 26 Dec 2002 19:55:34 -0500
From: "brian" <brian@iquest.net>
To: <aa8vs@msn.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [143219] Re: Radio Shack HTX-10 followup
Message-ID: <004101c2ad42\$aa2dcbd0\$256a2bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

It's being dropped for the same reason the old President 10m rig was
dropped....the cycle is heading down. At least that's what I heard.

73

----- Original Message -----
From: "Charles Mabbott" <aa8vs@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, December 26, 2002 8:58 AM
Subject: Radio Shack HTX-10 followup

> I was talking to the store manager and the feeling at Radio Shack
[as he
> percieved it] that there was no interest in the ham radio [HTX 10]
so it
> was being dropped. The last one they had went for \$59 [w/o box]. I
asked if
> he thought it was being dropped because something else was coming
out, but
> he was not aware of anything to replace it.
>
> Wonder if anyone else on the list has heard the same thing from
Radio
> Shack??
>
> 73 oo
> Chuck AA8VS
>
>
>
> "Whoever said the pen is mightier than the

> sword obviously never encountered automatic
> weapons."
>
> http://68.43.100.7:81/aa8vs
>
>
>
>
>
>
> >From: Mark Gilger <mgilger@brightdsl.net>
> >Reply-To: mgilger@brightdsl.net
> >To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> >Subject: Re: Radio Shack HTX-10
> >Date: Thu, 26 Dec 2002 08:25:55 -0500
> >
> >Does anyone know if the radio does AM?
> >Mark
> >
> >At 12:51 PM 12/25/2002 -0500, Radioham wrote:
> >>There has been a lot of discussion on other lists about the demise
> of
> >>Radio Shack ham radio products, so I wandered into a local one on
> Monday
> >>and the only thing they had was the HTX-10 on clearance for \$90.
> That's
> >>down from an original price of \$150. I know it's not a perfect
> rig (as
> >>many have stated here), but that was a buy price for me. Hooked
> it up in
> >>the car and immediately started working DX. Not bad for 25 watts
> max (you
> >>can dial the power down easily from the front panel) and a sawed
> off CB
> >>whip.
> >>
> >>Don't know how many are left in stock elsewhere - the one I
> purchased was
> >>the last one my local store had in a box, but it looks like there
> won't be
> >>any more RS ham equipment coming out in the future.
> >>
> >>72/73,
> >>
> >>Steve, N4EUK
> >>Reston, VA
>
>
> -----

> STOP MORE SPAM with the new MSN 8 and get 3 months FREE*.
>
http://join.msn.com/?page=features/junkmail&xAPID=42&PS=47575&PI=7324&
DI=7474&SU=
>
http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_stopm
orespam_3mf
>
>
>

Date: Thu, 26 Dec 2002 19:58:52 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Mike Yetsko <myetsko@insydesw.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143220] Re: Storm damage
Message-ID: <Pine.LNX.4.33.0212261954340.14185-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 26 Dec 2002, Mike Yetsko wrote:

> Anyone else have any damage from the storm?

Storm 1, 45' mast 0. Lost one the masts for my 450' loop, folded it
about in half (again!) guess the ice and wind was too much for it. Gonna
get some 2" top rail sections from chain link fence and rebuild. 63' this
time I think. Gonna have to make due with the dipole and 5BTV for a few
days I guess.

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Thu, 26 Dec 2002 20:09:30 -0800
From: "W2WU" <w2wurjj@verizon.net>
To: <w5xe@juno.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [143221] OT Field Services/ National CB Channel 21.430
Message-ID: <000801c2ad5d\$d96c1c60\$1afc998d@w2wurjj>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yep. Certain organizations recruit volunteers for the FCC Field Services. Then systematically ignore reports, thereby discouraging enduring participation & organizational membership. Enduring retention of appointments is contingent upon enduring membership. This action is blatant discrimination against qualified or handicapped individuals who may have fiscal problems but truly desire to help. 73, Ron W2WU

----- Original Message -----

From: "William R Colbert" <w5xe@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, December 26, 2002 16:10
Subject: Re: OT: National CB Channel 21.430

> <Snip>

Date: Thu, 26 Dec 2002 17:11:57 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [143222] Re: Radio Shack HTX-10 followup
Message-ID: <002901c2ad44\$f5a1d3c0\$5240cd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

The Radio Shack HTX-100 was marketed during the buildup to the last sunspot peak and discontinued when solar conditions started down. The HTX-10 was marketed as the current cycle neared the peak and is now being discontinued. I believe that both radios were manufactured by companies that built CB rigs and modified their basic design in order to make the Radio Shack rigs.

Radio Shack went 2-for-2 on 10M rigs.... but by the time the next cycle peaks who knows if there'll even be a Radio Shack?!

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Sat, 21 Dec 2002 07:15:23 -0500
From: Alex <kr1st@amsat.org>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [143223] Re: Storm damage
Message-ID: <3E045B5B.BFC00799@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

One advantage of having in the trees with ropes is that they are easy to take down. That's what I did with the VHF antenna.

To test the pulley system I left my HF wire up. The pulley is at appr. 5 feet on the tree trunk and the weight was traveling the 5 feet from the ground to the pulley many times. Sometimes so fast I thought it would launch itself. The rope I use is dirt cheap thin masonry rope (K-mart) and the wire is #14 stranded copper wire. The wire slopes into the tree with the top at about 50 feet. The maximum measured wind gust was 45 mph. I'll inspect the rope closer when I put up a new antenna, but as far as I can see now, it looks as good as the day I put it up.

Only strong winds in SC, no ice or snow.

73,
--Alex KR1ST

Mike Yetsko wrote:

>
> Anyone else have any damage from the storm?
>
> I went to play with the K2 and discovered my antenna is down on the
> ground...
>
> I would have taken the time to get 'something' back up, but I had to
> chip out the cars first...
>
> Mike

Date: Thu, 26 Dec 2002 20:36:13 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kr1st@amsat.org>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [143224] Re: Storm damage
Message-ID: <008901c2ad48\$595b4740\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My antenna is a 40M dipole, made from 18ga speaker wire, stripped apart to single conductor. (Makes it easy to get both sides the same length...) It's feed is 300ohm twinlead at a Plexiglas center block. Both ends have Plexiglas blocks.

>From either end is a rope. Just 1/4" cheap stuff, actually, to two trees. On one end I threw a line over a branch and hoisted a pulley about 40 feet into the air. That line was tied off. There was another line through the pulley, and that was attached to one antenna end. The other end of the rope went to a brick for tension. The line to the brick was through a ring to prevent any 'swinging around' of the brick. The brick also had a loose tether to the tree.

The other end was similar, only BOTH lines were 'tied off'. That way I could easily raise and lower the antenna through the pulleys, and the tension was fixed position on one end, the brick weight on the other.

I suppose I've been lucky. It's been 2 years...

With this storm, I can actually see 3 inches of snow on the wire. Yep, that's 3 inches! Normally my wire is invisible. Even most snowstorms it's only a thin white line. This time it looks like I have a 2x4 up there!

No wonder it came down.

Mike

> One advantage of having in the trees with ropes is that they are easy to
> take down. That's what I did with the VHF antenna.
>
> To test the pulley system I left my HF wire up. The pulley is at appr. 5
> feet on the tree trunk and the weight was traveling the 5 feet from the
> ground to the pulley many times. Sometimes so fast I thought it would
> launch itself. The rope I use is dirt cheap thin masonry rope (K-mart)
> and the wire is #14 stranded copper wire. The wire slopes into the tree
> with the top at about 50 feet. The maximum measured wind gust was 45
> mph. I'll inspect the rope closer when I put up a new antenna, but as

> far as I can see now, it looks as good as the day I put it up.
>
> Only strong winds in SC, no ice or snow.
>
> 73,
> --Alex KR1ST
>
> Mike Yetzko wrote:
> >
> > Anyone else have any damage from the storm?
> >
> > I went to play with the K2 and discovered my antenna is down on the
> > ground...
> >
> > I would have taken the time to get 'something' back up, but I had to
> > chip out the cars first...
> >
> > Mike
>

Date: Fri, 27 Dec 2002 20:40:06 -0500
From: Alex <kr1st@amsat.org>
To: alan.kaul@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [143225] Re: Radio Shack HTX-10 followup
Message-ID: <3E0D00F6.AF5CC8E0@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"Alan Kaul, W6RCL" wrote:

> I believe that both radios were manufactured by companies
> that built CB rigs and modified their basic design in order to make the
> Radio Shack rigs.

Don't know about the HTX-100, but it seems to me that the HTX-10 has
been built by Albrecht. For schematics etc, see:

<http://www.albrecht-online.de/service/Amateurfunk/AE485S/>

Some folks on here complained a while ago about the FM mode not working
well. That is being addressed in:

<http://www.albrecht-online.de/service/Amateurfunk/AE485S/485-Frequenzfehler.pdf>

73,
--Alex KR1ST

Date: Thu, 26 Dec 2002 20:45:47 -0500
From: "Ronald Davis" <ke4vpn@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [143226] Vertical Antenna Question?
Message-ID: <000b01c2ad49\$ad92c490\$173c4a18@your318ruqz03z>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

I have been off the list for awhile, but trying to get back on the radio, and I have a question for the antenna pros. I have a couple of dipoles up now, and im wanting to try and make my own 40 meter vertical. What would be the best and cheapest way to do this? I have some 20' long 1" galvanized pipe that I was thinking of using, but do not know if it would work? I think it is old chain link posts that someone left on the property when I got here. I was also thinking about trying some 1/2" conduit from the local hardware store. I have enough wire for several radials, so that is not a problem, trees are the problem hi, I do not have any close enough to the shack. I hope someone can help me, cause I have no idea what would work best.

Thanks
Ronnie
KE4VPN

Date: Thu, 26 Dec 2002 20:45:35 -0500
From: "brian" <brian@iquest.net>
To: <kr1st@amsat.org>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [143227] Re: Radio Shack HTX-10 followup
Message-ID: <001901c2ad49\$a757c440\$0a64030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

HTX 100 was a Uniden product for RS

----- Original Message -----

From: "Alex" <kr1st@amsat.org>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Friday, December 27, 2002 8:40 PM

Subject: Re: Radio Shack HTX-10 followup

> "Alan Kaul, W6RCL" wrote:

>

> > I believe that both radios were manufactured by companies

> > that built CB rigs and modified their basic design in order to
make the

> > Radio Shack rigs.

>

> Don't know about the HTX-100, but it seems to me that the HTX-10 has
> been built by Albrecht. For schematics etc, see:

>

> <http://www.albrecht-online.de/service/Amateurfunk/AE485S/>

>

> Some folks on here complained a while ago about the FM mode not
working

> well. That is being addressed in:

>

>

[http://www.albrecht-online.de/service/Amateurfunk/AE485S/485-Frequenzf
ehler.pdf](http://www.albrecht-online.de/service/Amateurfunk/AE485S/485-Frequenzfehler.pdf)

>

> 73,

> --Alex KR1ST

>

>

Date: Thu, 26 Dec 2002 19:51:53 -0600 (CST)

From: Bruce Rattray <rattray@gpfn.sk.ca>

To: QRP-Canada <listproc@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>

Subject: [143228] Fox - Winter Fox Hunt Teams Results.

Message-ID: <Pine.LNX.4.33.0212261943360.8419-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #16 - K0FRP -

Burbank Wrecking Crew - 53

Michael - K6MMC *
Todd - AG0T *
Don - KC2CK
Woody - WD9F *
Trev - KG6CYN *

Cheeseheads - 62

Jerry - N9AW *
Jim - WA9TZE * Clean
Lon - W9XU * Sweep
Rick - NK9G *
Glenn - WE9K *

NE-TX Tornadoes - 71

Chuck - W5USJ *
Bill - K5JHP * Clean
Don - K5DW * Sweep
Doc - W5TB *
George - W5YR *

p-Shooters - 34

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB *
Wayne - W5KDJ *
Tony - KB9YIG *

Raiders of the Lost RF - 59

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL
Robert - VE6JAZ
Bruce - VE5RC *

Swamp Rats - 67

Larry - N2WW *
ET - N1FN * Clean
Paul - K4FB * Sweep
Doc - K0EVZ *
Tom - N1TP *

K1 K9s - 45

Lloyd - K3ESE *
John - K8HJ *
Ralph - KD1R
Joe - W2RBA *
Alan - N3BJ *

Cajun Thunder - 52

Wayne - K5E0A *
Jim - N5IB *
Vern - AA50
Wayne - N5YFC
Tom - AC5JH *

Great Lakers - 40

Mark - K2Q0
Tom - KV2X *
Al - K2ZN *
Bill - K2TER *
Jeff - VA3JFF

Underdogs - 64

Dan - N4ROA *
Dave - W0CH * Clean
Ron - KI0II * Sweep
Randy - K7TQ *
Art - KB7WW *

Aluminum Kings - 55

Bob - N4BP *

Dust Devils - 47

George - KR5C *

Jim - N0UR * Clean Martin - N6LIF
Al - K0FRP * Sweep Eric - NM5M
Pat - K0PC * Dale - K5SR *
Todd - N9NE * Lew - N5ZE *

Loco-motives - 39

Frank - K2PQ *
Jack - K5FSE *
Jason - N8XE *
Mike - VA6MJT
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Thu, 26 Dec 2002 20:55:13 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". NJ QRP-L" <njqrp@njqrp.org>, ". QRP-L" <qrp-l@lehigh.edu>
Subject: [143229] History of Sound
Message-ID: <001001c2ad4b\$00a2fff0\$5be75cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Set those VCR's for 12 midnight on the History Channel. They are re-playing
the program called History of Sound. I caught a few minutes of the show
before I got on the NE QRP Club CW Net. The show is real interesting so I am
recording it later to see it in it's entirety.

Happy New Year.

72 & Good DX
Ron de WB3AAL
wb3aal@fast.net
www.n3epa.org

Date: Thu, 26 Dec 2002 19:55:34 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'alihernlem@hotmail.com'" <alihernlem@hotmail.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143230] RE: GB> Filter Design, Modeling and Testing
Message-ID: <01C2AD18.C1583900.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Man, those are some huge honkin' inductors for a filter. Do you need a fork lift to pick it up?

72--Nick, WA5BDU

On Thursday, December 26, 2002 5:17 PM, Brad Hernlem [SMTP:alihernlem@hotmail.com] wrote:

> OK, here is a hastily prepared write-up including drawings courtesy of Tom
> Hamblin and plots of my data:
>
> <http://www.geocities.com/alibhernlem/Radio/antcc4filters.html>
>
> Brad KG6IOE

Date: Fri, 27 Dec 2002 02:27:09 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: nkennedy@tcainternet.com
Subject: [143231] RE: GB> Filter Design, Modeling and Testing
Message-ID: <F146WRa1Yjo0UY784Vr00010d3f@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Nick,

They are not actually terribly large in volume or weight. Dimensions are 1 7/16" diameter by 1 7/8" tall plus about another 3/8" clearance for the pins and mounting screws. Maybe 125 grams each.

... but they won't fit in an Altoids tin.

Brad

>From: Nick Kennedy <nkennedy@tcainternet.com>

>Man, those are some huge honkin' inductors for a filter. Do you need a
>fork lift to pick it up?

>

>72--Nick, WA5BDU

>

>

>On Thursday, December 26, 2002 5:17 PM, Brad Hernlem

>[SMTP:alibhernlem@hotmail.com] wrote:

> > OK, here is a hastily prepared write-up including drawings courtesy of
>Tom

> > Hamblin and plots of my data:

> >

> > <http://www.geocities.com/alibhernlem/Radio/antcc4filters.html>

> >

> > Brad KG6IOE

MSN 8 with e-mail virus protection service: 3 months FREE*.

<http://join.msn.com/?page=features/virus&xAPID=42&PS=47575&PI=7324&DI=7474&SU=>

<http://www.hotmail.msn.com/cgi-bin/>

getmsg&HL=1216hotmailtaglines_eliminateviruses_3mf

Date: Thu, 26 Dec 2002 20:28:58 -0600

From: David Gauding <david.gauding@bbs.galilei.com>

To: qrp-l@lehigh.edu

Subject: [143232] Re: Resultls of some impromptu testing of the AE0CW(N0

Message-ID: <5.1.1.6.0.20021226201328.00a2b640@bbs.galilei.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Jess,

I for one remember your homebrew coil mod for the original SLV very well. Yes, please post your digital pictures in a follow-up message so prospective builders can assess the possibilities.

For those unaware of AE0CW/N0FTI's project, it was one of the first mods to the SLV design along with W6MMA's commercial coil.

I have used both examples extensively over the years and both work equally well. The homebrew coil is significantly cheaper by comparison but the performance of both examples is similar.

The flexible tap in the foam/wire coil makes it a little easier to get the lowest possible SWR on any band. Countering that, the commercial coil with its straightline tap assembly is much heavier, but more convenient to use.

I have always identified your coil mod with real ham radio. I'm sure many others share that opinion.

Regards,

de Dave, NF0R nf0r@slacc.com

Date: Thu, 26 Dec 2002 22:20:00 -0500
From: "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
To: <ke4vpn@carolina.rr.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [143233] Re: Vertical Antenna Question?
Message-ID: <005401c2ad57\$1baa49a0\$15e4e243@ivw3293world.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you have any tall trees, a 33' vertical wire with a couple of 33' radials is the cheapest and best way I know of. There have been some write-up of this in QST and the handbooks plus who knows where else.
Good luck and welcome back.

Bruce Shaw
ag4ny

-----Original Message-----

From: Ronald Davis <ke4vpn@carolina.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Thursday, December 26, 2002 8:45 PM
Subject: Vertical Antenna Question?

>Hello
>I have been off the list for awhile, but trying to get back on the radio,
>and I have a question for the antenna pros. I have a couple of dipoles up
>now, and im wanting to try and make my own 40 meter vertical. What would be
>the best and cheapest way to do this? I have some 20' long 1" galvanized
>pipe that I was thinking of using, but do not know if it would work? I
think
>it is old chain link posts that someone left on the property when I got
>here. I was also thinking about trying some 1/2" conduit from the local
>hardware store. I have enough wire for several radials, so that is not a
>problem, trees are the problem hi, I do not have any close enough to the
>shack. I hope someone can help me, cause I have no idea what would work
>best.
>Thanks
>Ronnie
>KE4VPN
>
>

Date: Thu, 26 Dec 2002 22:33:50 -0500
From: "George Osier" <gosier@twcny.rr.com>
To: "QRP-L" <qrp-1@lehigh.edu>
Subject: [143234] RE: QRP W.A.S.
Message-ID: <003501c2ad58\$c64f2c80\$aa634342@twcny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Karl !!!!!

Using Foxes is good !!!
My best luck was working the contests
ARRL SWEEPSTAKES is a GREAT way to go for WAS using either CW or SSB !!!!!
Stations are always finetuned for the contests with usually the best rigs
and all the aluminum that they can get up in the clouds !!!!! And the fact
that they NEED to contact you is in yer favor !!!!!

73s

George Osier , N2JNZ / QRP
W.A.S., DXCC and W.A.C. under 1 watt

Date: Thu, 26 Dec 2002 22:39:21 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [143235] Re: Destroying CD's
Message-ID: <20021226221542.C527-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This may be a few days late, but I could not help wondering how Mike Czuahajewski, WA8MCQ managed to get away with Making the Old CD's Unreadable in the "Family Microwave Oven".

Surely the XYL was out ALL DAY :^} I know for sure that I even thought of trying that I would be forever Banned from the kitchen. :^}

I have a vision of "Melting, Stinky Plastic", a close cousin to the smell of Burning PCB Coatings when doing the "Propane Torch Chip Removal Process" Also no longer allowed in the Basement.^}

Actually, I save and collect various old CD's to use for making Strange projects. (I actually have a notebook collection of ideas for a future book). "1001 Dumb things to do with A Old CD's"

Lots of Refrigerator Magnet Gifts and Picture Frames. The kids seem to like some of the toys made with them. A couple of CD's and some Old "D" Cells for Axels are kind of cute for wheels.

I had a Christmas Tree Planned for this year, but ran out of time.

O.K. Here is a free sample related to QRP & Homebrew. Make a CD Label on Clear Film and place it on the CD. (How about a Dial Indicator?) then add one of those older Radio Shack Black knobs in the center. Epoxy glue or hot glue should do the trick. Shades of HRO ?

You could also Fasten it to a piece of wood and use it as the top cover for a Coffee Can Rig?

If you are really bent on destroying them, just take them out in the back yard and lay them on the ground and pass the Propane Torch over them a couple of times. No need to catch them on fire, just enough to WARP them a

bit. If properly warped, they will not likely be able to run in the drive.

Oh! Yes, then Stack them up and Drill a Hole about 1/2 inch in from the edge. Then string them up and place the line over the garden in the Spring. Just like those ScareCrow Balloons, only FREE. You can even paint eyes on them if you like.

Hope you all had a Merry Christmas and are looking forward to a Happy and Peaceful New Year.

OBTW It might be wise to look for a Small Microwave or Electric

Toaster Oven on Sale for "SHOP USE ONLY" :^}

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,
Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations Accepted.

RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.

Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Thu, 26 Dec 2002 21:54:12 -0500
From: Brian Short <bshort4@cox.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [143236] Re: Destroying CD's
Message-ID: <7A466236-1946-11D7-948A-00306543B616@cox.net>

Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v551)
Content-Transfer-Encoding: 7bit

George, et al,

Greatly enjoyed this email.

On Thursday, December 26, 2002, at 10:39 PM, George Gingell wrote:

> Surely the XYL was out ALL DAY :^} I know for sure that I even
> thought of
> trying that I would be forever Banned from the kitchen. :^}

May I add that a dishwasher can do wonders on old components
(like large coils and variable capacitors found in some transmitting
equipment and antenna tuners).

> O.K. Here is a free sample related to QRP & Homebrew. Make a CD Label
> on
> Clear Film and place it on the CD. (How about a Dial Indicator?) then
> add
> one of those older Radio Shack Black knobs in the center. Epoxy glue or
> hot glue should do the trick. Shades of HRO ?

For your notebook/book:

Shaft encoder...

I made a divided pattern (like cutting pie into many pieces) and printed
the pattern onto a CD-R label.

The label was applied to an old CD. The CD was glued to the inside
of the mobile robot wheels to measure rotation with photo-transistor.
See: <http://www.k7on.com/robotics/max.htm>

> OBTW It might be wise to look for a Small Microwave or Electric
> Toaster Oven on Sale for "SHOP USE ONLY" :^}

Never underestimate the usefulness of a good dishwasher.

Brian

--

See my web page: <http://www.k7on.com>

Date: Thu, 26 Dec 2002 22:55:33 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: George Gingell <k3tks@u1.abs.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [143237] Where do CDs go when they die?
Message-ID: <Pine.LNX.4.44.0212262246130.25691-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I WORK as an engineer in a CD replication plant.

We make over 120 million of them every year - and we're a relatively small facility. Some of the bigger ones make a BILLION CDs annually.

CDs consist of polycarbonate, aluminum, clear lacquer, and printing inks.

An unsilvered CD can be recycled into low-grade optical plastic. Once it's been aluminized, lacquered, and inked, it's of a lower grade. Imagine "park benches." Actually, it's sold as part of mixed recycled plastic for a variety of uses, park benches being only one of them.

As for those that make it OUT of the factory, there is no "official" stance on how to destroy them, although standing on one and dragging it across the gravel or asphalt has been shown to work very well.

Using a bastard or rasp file works pretty well, too.

Alternately, they make GREAT coasters.

Scott N7JI

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> yard and lay them on the ground and pass the Propane Torch over them a
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> QRPp Dx Tu, (C) 2002 K3TKS
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>
>

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Thu, 26 Dec 2002 23:19:08 -0500
From: "brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [143238] Re: Destroying CD's
Message-ID: <004701c2ad5f\$1a9b5100\$71612bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Stay tuned to the January issue of the Flying Pig's Bacon Bits
newsletter....we have a great article that demonstrates creative use
of old CD's!

Should be available first week of January.

<http://www.frqrp.com>

73

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

----- Original Message -----

From: "George Gingell" <k3tks@u1.abs.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Thursday, December 26, 2002 10:39 PM

Subject: Re: Destroying CD's

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>

>

>

>

Date: Thu, 26 Dec 2002 22:42:27 -0600

From: "Mike Duke, K5XU" <k5xu@jam.rr.com>

To: "qrp list" <qrp-l@lehigh.edu>

Subject: [143239] 5 watt web page

Message-ID: <001001c2ad62\$5f1f9220\$32d4a418@jam.rr.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

About 2 years ago, someone on this list was hosting a web page where qrp operators could post their contact information. The idea was that people who need a particular state for WAS could go to this page and find an operator in the states they needed.

The recent flurry of WAS posts reminded me that my information needs to be updated. Unfortunately, I have lost the web page.

If anyone knows of such a page, please share it.

Mike Duke, K5XU

American Council of Blind Radio Amateurs

Date: Thu, 26 Dec 2002 23:48:02 -0500

From: Fred Lesnick <flesnick@tbaytel.net>

To: k5xu@jam.rr.com

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [143240] Re: 5 watt web page
Message-ID: <3E0BDB82.5C6A0A59@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The site was called.....
5watts.com.....
however it is no longer active when I checked on it at
<http://5watts.com>
I get the usual error...

Fred
VE3FAL

"Mike Duke, K5XU" wrote:

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> Mike Duke, K5XU
> American Council of Blind Radio Amateurs

Date: Thu, 26 Dec 2002 22:58:26 -0600
From: <ke5tc@crosstel.net>
To: "Low power Amateur Radio" <qrp-1@Lehigh.EDU>
Subject: [143241] re: destroying CDs
Message-ID: <001f01c2ad64\$97e1fce0\$a06b96d8@computer1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In eastern Oklahoma, we save the CDs until late summer or early fall then
tack them to the target at the rifle range and load up the rifle and fire
away!! Some are destroyed - some are not!

I do have the OHR QRP Classic in line this evening with the DD-1 digital
dial. It has been some time since they have been on the air. Hope to work

some of you this next week...
Royce ke5tc
DSW-40
Rock-Mite 40
OHR QRP Classic

Date: Thu, 26 Dec 2002 23:57:4 -0600
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [143242] VP6DI card received [g]
Message-ID: <412002125275574551@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Just gotta share this!--my VP6DI card arrived just in time for Christmas.
Been a ham since 1961 and this may be the biggest thrill of all. Wow!

During the dxpedition looked like the pileups might be too big. One
afternoon suddenly there was an unexpected window and I slipped in. Setup
was the K1 to a big horizontal loop.

73,
--Doc/K0EVZ

Date: Fri, 27 Dec 2002 04:06:13 -0600
From: Karl Kanalz <kkanalz@gcecisp.com>
To: "'ham@w3eax.umd.edu'" <ham@w3eax.umd.edu>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143243] RE: Where do CDs go when they die?
Message-ID: <01C2AD5E.23398B20@KKANALZ>

CDs go to the same place that one-of-a-pair of socks go to, Scott! Some

day, perhaps when I die, I'll finally find that Nirvana where all my "missing" socks have mysteriously gone to! (Pardon that preposition sentence ending!).

Since I know several "bastards", I think I'll use that method to destroy my unwanted CD-ROMs. I'll just send the CDs to them and have them destroy them! [grin]

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Scott Rosenfeld [N7JI] [SMTP:ham@w3eax.umd.edu]
Sent: Thursday, December 26, 2002 9:56 PM
To: Low Power Amateur Radio Discussion
Subject: Where do CDs go when they die?

I WORK as an engineer in a CD replication plant.

We make over 120 million of them every year - and we're a relatively small facility. Some of the bigger ones make a BILLION CDs annually.

CDs consist of polycarbonate, aluminum, clear lacquer, and printing inks.

<snip>

Using a BASTARD or rasp file works pretty well, too.

Alternately, they make GREAT coasters.

Scott N7JI

Date: Fri, 27 Dec 2002 04:15:59 -0600
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'bshort4@cox.net'" <bshort4@cox.net>,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [143244] RE: Destroying CD's In The Dishwasher
Message-ID: <01C2AD5E.AE761320@KKANALZ>

You can ALSO use the dishwasher for poaching salmon for a delicious dinner (while you are also washing the dishes with soap - economical method, you know!). If you really want to know how, send me an e-mail direct. It works!

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: Brian Short [SMTP:bshort4@cox.net]
Sent: Thursday, December 26, 2002 8:54 PM
To: Low Power Amateur Radio Discussion
Subject: Re: Destroying CD's

George, et al,

Greatly enjoyed this email.<snip>

May I add that a dishwasher can do wonders on old components
(like large coils and variable capacitors found in some transmitting
equipment and antenna tuners).
<snip>

Never underestimate the usefulness of a good dishwasher.

Brian

Date: Fri, 27 Dec 2002 07:00:54 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <k3tks@u1.abs.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [143245] Re: Destroying CD's
Message-ID: <002601c2ad9f\$ac1bbee0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

They make neat clocks. You can buy clock movements at hobby shops
and put one on the back of a CD with the hands on the face.

Oh, drilling them may not destroy them. At least, the way you said.
Rememeber, CDs are 'center out' not 'edge in' like phonograph
records. As long as the hole isn't drilled through the data stream.
And even then, you could probably read 'up to' where you drilled.

Mike

Date: Fri, 27 Dec 2002 08:11:29 -0500
From: "Dave Richards" <wr3i@earthlink.net>
To: <ham@w3eax.umd.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [143246] RE: Where do CDs go when they die?
Message-ID: <FAEEKPCBNNDNKGMPBKIELDCKAA.wr3i@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Is it possible to make an electrical contact to the aluminum so that they can be super glued together to make capacitors for antenna work?

Dave
W1QB

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Scott Rosenfeld [N7JI]
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> Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
> George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
> Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
> Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
> Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.
>
> Collector of Quartz Crystals and Telegraph Keys.
>
> Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations
Accepted.
>
> RU-QRP? Club Representative, U.S. Treasurer & Founder of I.Q.S.F.
>
> Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>
>
> "72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM
>
>

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Fri, 27 Dec 2002 08:23:53 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [143247] Re: Destroying CD's
Message-ID: <016601c2adab\$39153820\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I mentioned earlier that scratching the label side would be more effective than scratching the "read" side, but I never actually ran the experiment.

Yesterday I ran the edge of a knife across the label of a painted-label CD, and the paint took the silvering (and data) with it surprisingly easily. Generally I tend to treat my CDs gently, but I never realized just how fragile that label side is!

The knife left quite a big gouge in the silvering, but barely scratched the polycarb beneath.

(This was a CD-R, I suspect you actually need to scratch the polycarb beneath the silver on a commercial CDRom to safely destroy it, but then you wouldn't have any sensitive data on one of those, anyway.)

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Fri, 27 Dec 2002 06:31:54 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143248] Re: Storm damage
Message-ID: <Pine.LNX.4.44.0212270621060.1237-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In the spring here at Las Cruces, NM at 3800 feet above sea level, a day with wind gusts of 45 MPH is considered a good day. A bad day is when small rocks are picked up and thrown 100's of yards. You close all doors and windows, but still there is a small pile of fine dust on every window sill.

I have a High Gain TH6DXX 6 element beam on a 60 foot self supporting tower. On a bad day you can see the elements (through the dust) dancing in the wind.

Last spring a friend who has a device to measure wind speed said it exceeded 95 MPH for 2 minutes in one gust. It's not uncommon to have mobile homes blown over (they didn't have enough old tires on the roof).

On Sat, 21 Dec 2002, Alex wrote:

> with the top at about 50 feet. The maximum measured wind gust was 45
> mph. I'll inspect the rope closer when I put up a new antenna, but as
> far as I can see now, it looks as good as the day I put it up.
>
> Only strong winds in SC, no ice or snow.
>
> 73,
> --Alex KR1ST
>
> Mike Yetsko wrote:
> >
> > Anyone else have any damage from the storm?
> >
> > I went to play with the K2 and discovered my antenna is down on the
> > ground...
> >
> > I would have taken the time to get 'something' back up, but I had to
> > chip out the cars first...
> >
> > Mike
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: 27 Dec 2002 09:05:27 -0500
From: Michael Clark <mdc@oldboy.net>
To: qrp-l@lehigh.edu
Subject: [143249] RE: Where do CDs go when they die?
Message-ID: <1040997927.4665.2.camel@dublin.oldboy.net>
Content-Type: text/plain
Mime-Version: 1.0
Content-Transfer-Encoding: 7bit

I thought it was a well-known fact that socks are the larval form of
coat hangers. Ever wonder why the sock disappears, but the hangers
multiply?

73,
Michael - AA4YH

On Fri, 2002-12-27 at 05:06, Karl Kanalz wrote:

> CDs go to the same place that one-of-a-pair of socks go to, Scott! Some
> day, perhaps when I die, I'll finally find that Nirvana where all my
> "missing" socks have mysteriously gone to! (Pardon that preposition
> sentence ending!).
>
> Since I know several "bastards", I think I'll use that method to destroy my
> unwanted CD-ROMs. I'll just send the CDs to them and have them destroy
> them! [grin]
>
> Karl K - W8TIF
> McKinney, Texas
--
Michael Clark <mdc@oldboy.net>

Date: Fri, 27 Dec 2002 09:22:46 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mdc@oldboy.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [143250] Re: Where do CDs go when they die?
Message-ID: <001401c2adb3\$6ecee800\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I thought it was a well-known fact that socks are the larval form of
> coat hangers. Ever wonder why the sock disappears, but the hangers
> multiply?
>
> 73,
> Michael - AA4YH

No, you're wrong. Hangers migrate. I never seem to have enough.

Date: Fri, 27 Dec 2002 09:25:00 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [143251] PANPOLE antenna details
Message-ID: <bf.2bd847c0.2b3dbcbc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

There were several questions about the actual set up with the PANFISH SPECIAL (smile). Please note there is nothing special here. A vertical radiator with a good set of radials. Here is a clarification of the setup.

VERTICAL SUPPORT: A Cabela 14ft telescoping pole that collapses to 15 inches
[http:// www.cabelas.com](http://www.cabelas.com)
(Cabela's Telescopic Panfish Poles)

VERTICAL RADIATOR: 14ft #22 speaker wire

RADIALS: 12---16FT ribbon radials (6 wires) with alligator clip on end. A large steel washer sits at the base of the PVC cross with a wire affixed to connect to the feed line. Alligator clips from radials connect to washer. Note you can use speaker wire or whatever is available. I have these made up from the SLV series of antennas.

BASE SUPPORT: 4 way cross 1 inch PVC. Pole base sets in top. The horizontal sections are fitted with 4 inch piece of 1 inch PVC and used as handles to drive spike in ground. Bottom of cross has about a 10 inch spike. (This pole is lightweight so a variety of supports can be used)

FEEDLINE: I use Radio Shack 300 ohm foam filled low loss line (about 25ft). Two 3 inch long pieces of speaker wire are attached to the end of the feed line (soldered and taped) and MALE RCA fittings attached. The feedline is connected to the vertical radiator and radial wire with DOUBLE FEMALE RCA fittings

CONNECTORS: The base of the vertical radiator wire and the end of the wire connected to the ground/radial ring are fitted with MALE RCA fittings as is the feedline. DOUBLE FEMALE RCAs used to connect up feed with antenna

SPECIAL NOTES: Due to the graphite composition the top of the radiator should not be bare and should not touch the tip. I connect the wire near the top with a piece of electrical tape (leave a tab so you can peel it off) or you can just use a small tiwrap loop at the top and tie the wire to the loop

The method of support is not critical but needs to insulate pole from ground.

The method of feed/antenna connection is not critical; you can even use wirenuts.

CONCLUSION: Hopefully this clarifies the set up. This is just a basic set up. Nothing fancy or special. What is special however is that the length of your radiator and your radial system determine your lobe pattern. I believe that the right lobe pattern is more important than the power. Running EZNEC will show how the lobes are affected per band with various lengths. Orr in his book on VERTICALS notes for 80/40m operations use a 42 ft vertical and for 20m and above use 20ft. The advantage of the 14ft is it does not develop a

large high lobe on 10m making it a little quieter (potentially). I have found that noise generally comes in at either low angles (over the horizon) or in at a high angle. That is why as good as an Inverted-L is for transmission with both a high and low lobe, it is a bit noisier antenna too

This is not as unique as Dave NF0R's series of antennas but it is effective

BUDDI POLE CLONE: I will be using two poles with a double swivel support for the two poles and no radials. When used as a vertical the other pole will act as a single counterpoise

Alan KB7MBI

Date: Fri, 27 Dec 2002 10:01:56 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [143252] CI-V I/O for Icom es Kwood, other MFRs TBD :>))
Message-ID: <20021227.100358.-66723.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

The station looking for CI-V software a few days back may want to contact me.

I found es am now using

Software FREE . . .
an OUTSTANDING (VisualBASIC) es
FLEXABLE (EXCEL spread sheet) program,

with CHOICE of hardware . . .

1) . . . NO POWER SUPPLY REQUIRED
PC 232 port to . . .
CI-V I/O . . . Schematic, three 2n3904, one 2n3906, three 1n914, 1/2 doz
Res couple Cs

. . . or . . .

2) . . . wall wart required

PC 232 port to . . .

CI-V I/O . . . Schematic, one IC MAX232 (RS, common device), one IC regulator 7805 (another RS common device), one 2n2222, couple Rs es a few Cs.

This one will key the XCVR TX mode.

The software download (EXCEL) comes ****complete**** with scatey-eight doz ham, SWL, VHF, marine, BC broadcast, etc . . etc freqs to choose and of course an infinite expandable (spreadsheet) database.

You will need . . .

Windows (95,98,2000,NT) running MS EXCEL newer than 4.0 . . .

STAPLES offers an EXCEL upgrade (one C note) for

****legal**** Windows installations (it will not install onto bogus stuff).

Happy Holidays . . . 2 u es urs dit-dit

PSK-31 is my mode of choice . . .

An OUTSTANDING weak-signal QRPpp mode!

John

N3AAZ . . . 00TC (43+)

FM 19 xa

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Date: Fri, 27 Dec 2002 10:06:53 -0500

From: "AI2Q" <ai2q@adelphia.net>

To: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>

Subject: [143253] RE: OT: National CB Channel 21.430

Message-ID: <000001c2adb9\$988e1ac0\$6401a8c0@hq.cmp.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Has anyone ever listened to the SSB "HFer QSOs" zero-beat with WWV at 10 MHz? This crap is nearly continuous, and has been for at least eight years. Yet, when I mentioned it to the FCC representative at the Boxboro (Mass.) hamfest, he sloughed it off.

To me it's a national insult to our NIST station.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Jerry Lofstead
Sent: Thursday, December 26, 2002 7:41 PM
To: Low Power Amateur Radio Discussion
Subject: Re: OT: National CB Channel 21.430

On 10 Meter SSB, almost everything above 28.4 and on the 5 KC interval between the 10's i.e. 15,25,35,35 etc. are HFers. The truckers hang out above 28.5 on the 5 KC increments...

Jerry
W3CDE

ARDUJENSKI@aol.com wrote:

>
> I know this is a bit off QRP but if you want to hear what amateur radio has
> degenerated to give a listen on 21.430 any time after 1600Z. I got introduced
<SNIP>

Date: Fri, 27 Dec 2002 07:16:54 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: ai2q@adelphia.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143254] RE: OT: National CB Channel 21.430
Message-ID: <20021227151654.71466.qmail@web14206.mail.yahoo.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

If you want something done, work to get the funding restored. Its a lack of funds more than a don't care attitude. Its called manpower or a lack thereof.

73, Bill kc4atu

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Date: Fri, 27 Dec 2002 10:34:02 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: Dave Richards <wr3i@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143255] RE: Where do CDs go when they die?
Message-ID: <Pine.LNX.4.44.0212271032450.25921-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

GOOD question. I suppose it would be, yes. All you have to do is successfully scrape away the ink and clear lacquer to get to the aluminum, which might be easier said than done because the aluminum layer is really, really thin, and easily damaged.

On Fri, 27 Dec 2002, Dave Richards wrote:

> Is it possible to make an electrical contact to the aluminum so that they
> can be super glued together to make capacitors for antenna work?
> Dave
> W1QB

>
> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Scott Rosenfeld [N7JI]
> Sent: Thursday, December 26, 2002 10:56 PM
> To: Low Power Amateur Radio Discussion
> Subject: Where do CDs go when they die?

>
>
> I WORK as an engineer in a CD replication plant.
>

> We make over 120 million of them every year - and we're a relatively small
> facility. Some of the bigger ones make a BILLION CDs annually.
>
> CDs consist of polycarbonate, aluminum, clear lacquer, and printing inks.
>
> An unsilvered CD can be recycled into low-grade optical plastic.
> Once it's been aluminized, lacquered, and inked, it's of a lower grade.
> Imagine "park benches." Actually, it's sold as part of mixed recycled
> plastic for a variety of uses, park benches being only one of them.
>
> As for those that make it OUT of the factory, there is no "official"
> stance on how to destroy them, although standing on one and dragging it
> across the gravel or asphalt has been shown to work very well.
>
> Using a bastard or rasp file works pretty well, too.
>
> Alternately, they make GREAT coasters.
>
> Scott N7JI
>
>
> On Thu, 26 Dec 2002, George Gingell wrote:
>
> > This may be a few days late, but I could not help wondering how Mike
> > Czuhajewski, WA8MCQ managed to get away with Making the Old CD's
> > Unreadable in the "Family Microwave Oven".
> >
> > Surely the XYL was out ALL DAY :^} I know for sure that I even thought of
> > trying that I would be forever Banned from the kitchen. :^}
> >
> > I have a vision of "Melting, Stinky Plastic", a close cousin to the smell
> > of Burning PCB Coatings when doing the "Propane Torch Chip Removal
> > Process" Also no longer allowed in the Basement.^}
> >
> >
> > Actually, I save and collect various old CD's to use for making Strange
> > projects. (I actually have a notebook collection of ideas for a future
> > book). "1001 Dumb things to do with A Old CD's"
> >
> > Lots of Refrigerator Magnet Gifts and Picture Frames. The kids seem to
> > like some of the toys made with them. A couple of CD's and some Old "D"
> > Cells for Axels are kind of cute for wheels.
> >
> > I had a Christmas Tree Planned for this year, but ran out of time.
> >
> > O.K. Here is a free sample related to QRP & Homebrew. Make a CD Label on
> > Clear Film and place it on the CD. (How about a Dial Indicator?) then add
> > one of those older Radio Shack Black knobs in the center. Epoxy glue or

> > hot glue should do the trick. Shades of HRO ?
> >
> > You could also Fasten it to a piece of wood and use it as the top cover
> > for a Coffee Can Rig?
> >
> > If you are really bent on destroying them, just take them out in the back
> > yard and lay them on the ground and pass the Propane Torch over them a
> > couple of times. No need to catch them on fire, just enough to WARP them a
> > bit. If properly warped, they will not likely be able to run in the drive.
> >
> > Oh! Yes, then Stack them up and Drill a Hole about 1/2 inch in from the
> > edge. Then string them up and place the line over the garden in the
> > Spring. Just like those ScareCrow Balloons, only FREE. You can even paint
> > eyes on them if you like.
> >
> > Hope you all had a Merry Christmas and are looking forward to a Happy and
> > Peaceful New Year.
> >
> > OBTW It might be wise to look for a Small Microwave or Electric
> >
> > Toaster Oven on Sale for "SHOP USE ONLY" :^}
> >
> >
> >
> > QRPp Dx Tu, (C) 2002 K3TKS
> >
> > Sir George, The First :^}
> >
> > 72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
> > Former QRP A.R.C.I. Net Manager and CURRENT Board of Director Member.
> > Gingell & Company, Ltd. Small Business Telephone Systems, Handyman
> Services,
> > Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
> > George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
> > Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
> > Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
> > Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.
> >
> > Collector of Quartz Crystals and Telegraph Keys.
> >
> > Maryland Milliwatt Club QRP Reference Library, & I.Q.S.F. Donations
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> > Yes, We take "PayPal" to "George Gingell" <K3TKS@abs.net>
> >
> > "72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

> >
> >
>
> --
> Scott Rosenfeld ARS N7JI
> 541-684-9970 Eugene, OR Land o' much rain
> If you find me on the air, I'm probably in my car
> ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>
>

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Fri, 27 Dec 2002 10:40:37 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [143256] toroid head scratcher
Message-ID: <5.1.1.6.1.20021227102804.00a71dd0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Folks,

I'm confused, again, about a toroidal inductor I'm trying to use.

I want a 4.8 uH inductor to use in a frequency multiplier to make 28 MHz from about 5.6 MHz. I downloaded Diz's toroid program (nice work Diz!) and it said I could put 40 turns of wire on a T37-6 core.

Well, that's what I did, but the multiplier doesn't seem to be working. Among the myriad other things I've checked, I put the toroid on two different inductance measuring devices here at work and they indicate the thing is about 8 uH.

I know one of the devices uses a 10 kHz signal for measuring inductance, but I don't know what frequency the other uses. Since both of these devices are very near the low end of their ranges at 8 uH, I suspect they're both using relatively low frequencies. (We use them to measure inductances for power equipment. 60 Hz is a long way from RF.) But when I put a marked 3.3 uH molded choke on either one, it reads about 3 uH.

Could the low frequency signal be causing poor accuracy when measuring this

particular core material?

If anyone's interested in the project, I'm trying to build a 28 Mhz VFO with a CMOS inverter frequency multiplier as shown here:

<http://www.wenzel.com/pdf/files/hcmos.pdf>

Thanks for you help!

Dave

A Real Programmer can write FORTRAN in any language.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 27 Dec 2002 10:16:25 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'WD8CIV@worldnet.att.net'" <WD8CIV@worldnet.att.net>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143257] RE: toroid head scratcher
Message-ID: <01C2AD91.03F75840.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Could be the low test frequency causing it, alright.

Do you have a Swiss Army Knife AKA MFJ-259, or equivalent?

Try putting your toroid in series with a capacitor selected to resonate near the desired operating frequency, and maybe add a 50 ohm resistor to boot. Hook to the analyzer and adjust for 50 ohms indicated and calculate the L from the known C.

I usually get surprisingly close readings on my AADE L/C meter even though it measures at a couple hundred kHz, I think. But I'm sure some core materials would throw it off.

72--Nick, WA5BDU

On Friday, December 27, 2002 9:41 AM, David Hinerman

[SMTP:WD8CIV@worldnet.att.net] wrote:

> Folks,

>

> I want a 4.8 uH inductor to use in a frequency multiplier to make 28 MHz

> from about 5.6 MHz. I downloaded Diz's toroid program (nice work Diz!)

> and

> it said I could put 40 turns of wire on a T37-6 core.

>

> Well, that's what I did, but the multiplier doesn't seem to be working.

> Among the myriad other things I've checked, I put the toroid on two

> different inductance measuring devices here at work and they indicate the

> thing is about 8 uH.

>

Date: Fri, 27 Dec 2002 11:21:23 -0500

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [143258] RE: toroid head scratcher

Message-ID: <5.1.1.6.1.20021227111838.00a62560@ipostoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:16 AM 12/27/2002 -0600, you wrote:

>Could be the low test frequency causing it, alright.

>

>Do you have a Swiss Army Knife AKA MFJ-259, or equivalent?

Nick,

I wish. That's on my list for next year.

>I usually get surprisingly close readings on my AADE L/C meter even though

>it measures at a couple hundred kHz, I think. But I'm sure some core

>materials would throw it off.

That's what I wondered. I'll see if I can work out some other way to measure it.

Thanks!

Dave

A Real Programmer can write FORTRAN in any language.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 27 Dec 2002 10:28:09 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143259] Microwave cooked CDs--technical basis?
Message-ID: <01C2AD92.A7B3BCC0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

My kids came up with the microwave method a couple years ago--not to purge data but because it looked cool--both the light show during and the patterns after. You set the unit at about 5 seconds, but it only takes two or three after the power actually comes on.

I just sacrificed a Flatt & Scruggs set of WAVs that I'd accidentally burned as a data CD, to review the results.

My question is--is the resulting pattern on the CD related to the wavelength of the microwaves? It produces both circumferential (circular) burned marks and radial ones (spokes). The circles are fairly evenly spaced, maybe 1/4 to 3/8 inches apart. The spacing of the spokes is similar--maybe 3/8 to 1/2 inch. I'd imagine standing waves on the surface are producing current and voltage maxima and some fraction of the wavelength to cause the burning.

Experts?

72--Nick, WA5BDU

Date: Fri, 27 Dec 2002 13:10:22 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [143260] Re: Microwave cooked CDs--technical basis?
Message-ID: <5.1.1.6.1.20021227130538.00a70ae0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>My question is--is the resulting pattern on the CD related to the
>wavelength of the microwaves? It produces both circumferential (circular)
>burned marks and radial ones (spokes). The circles are fairly evenly
>spaced, maybe 1/4 to 3/8 inches apart. The spacing of the spokes is
>similar--maybe 3/8 to 1/2 inch. I'd imagine standing waves on the surface
>are producing current and voltage maxima and some fraction of the
>wavelength to cause the burning.

Nick,

If I did the math right the wavelength of a microwave oven signal (at 2.45 GHz) is about 12 cm - or 4 3/4 inches. Current maxima (heating) should occur at intervals of half that distance (2 3/8 inches), as should voltage maxima (arcing).

Of course, a CD's not a linear conductor like a dipole, so all bets are off.

But I just figured out why bread wrapper twist ties cause such impressive pyrotechnics when the sneak into an oven stuck to the bottom of a paper plate - they're just about a half wavelength.

Dave

A Real Programmer can write FORTRAN in any language.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 27 Dec 2002 10:16:12 -0800
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [143261] ARRL Members Only QRP Item
Message-ID: <000401c2add4\$0d18db40\$5240cd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

K8ZT has written a nifty primer on QRP construction which is on the ARRL Members Only website at:

<http://www.arrl.org/news/features/2002/12/27/1/>

It has links to many of the terrific QRP kit sites as well.

Happy Holidays to all and best 72/73 de alan

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Fri, 27 Dec 2002 10:20:43 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [143262] Re: toroid head scratcher
Message-ID: <MABBJOEABOILMKCJCLFCMEEMDOAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave

The toroid will have more inductance at lower freqs.
To measure L at the desired freq, use some kind of signal
generator to feed the L in series with a C that should
resonate it at your desired frequency.
Measure across the L of the series circuit.
Use either a scope with the 10x probe to minimize loading
across the L, or use a diode RF probe with your DMM/VTVM,
something with a fairly high input impedance. Tune
the generator until you find a voltage peak. That will
be your resonant frequency. Using the value of C,
calculate the value of L. From the Handbook, the
simplified formula is $C = 25330 / (f^2 \times L)$.
Here C is in pF, f is in MHz, and L is in uH.
Good luck and 73,
Bob N6WG

Date: Fri, 27 Dec 2002 13:32:03 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [143263] RE: Where do CDs go when they die?
Message-ID: <3.0.6.32.20021227133203.007ad3a0@mailhost.ncia.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have this theory that small riffs in the space-time continuum open up now and again. These riffs have an particular affinity for things like socks, Bic pens, lighters and hardware or parts that drop off the bench, never to be seen again. Entire planitods are made up of these items in a pararell universe.

Occasionally, the process works in reverse, as we some times find missing items where we know for sure that they weren't there before.

My other theory is that little gremlims come out at night and move things around or hide them on me, so I won't know where they are the next day when I need them. (They espically like to hide tools) Since I live alone, there can be no other explination!

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Fri, 27 Dec 2002 18:29:52 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: WD8CIV@worldnet.att.net, qrp-1@Lehigh.EDU
Subject: [143264] RE: toroid head scratcher
Message-ID: <F47AE8jVMrKE7FL3wJQ00024885@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: David Hinerman <WD8CIV@worldnet.att.net>
>Reply-To: WD8CIV@worldnet.att.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: toroid head scratcher
>Date: Fri, 27 Dec 2002 11:21:23 -0500
>
>At 10:16 AM 12/27/2002 -0600, you wrote:
>>Could be the low test frequency causing it, alright.
>>
>>Do you have a Swiss Army Knife AKA MFJ-259, or equivalent?
>
>Nick,
>

>I wish. That's on my list for next year.

>

>>I usually get surprisingly close readings on my AADE L/C meter even though
>>it measures at a couple hundred kHz, I think. But I'm sure some core
>>materials would throw it off.

>

>That's what I wondered. I'll see if I can work out some other way to
>measure it.

I use a signal generator to check the resonant frequency. One advantage of
this technique is that the measurement frequency can be about the same as
the operating frequency.

Also, using a signal generator and scope you can test the doubler in
isolation, then connect it up to the oscillator.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com

My web page: http://www.geocities.com/leon_heller

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http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_newmsn8ishere_3mf

Date: Fri, 27 Dec 2002 13:43:56 -0500

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [143265] RE: Where do CDs go when they die?

Message-ID: <5.1.1.6.1.20021227133717.00a724e0@ipostoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:32 PM 12/27/2002 -0500, you wrote:

>I have this theory that small riffs in the space-time continuum open up now
>and again. These riffs have an perticular affinity for things like socks,
>Bic pens, lighters and hardware or parts that drop off the bench, never to
>be seen again. Entire planitods are made up of these items in a pararell
>universe.

>

>Occasionally, the process works in reverse, as we some times find missing
>items where we know for sure that they weren't there before.

Steve,

I suspect these rifts are more likley to appear in warm locations. Clothes
dryers and warm, sunny beaches are locations where articles of clothing
most frequently disappear.

>My other theory is that little gremlims come out at night and move things
>around or hide them on me, so I won't know where they are the next day when
>I need them. (They espically like to hide tools) Since I live alone, there
>can be no other explination!

Car keys are popular targets for the gremlins, too. And the TV remote
control. (No, wait - that's my 7-year-old who hides the remote.)

Do you have a cat? Cats are known to create unusual space-time conditions.
Cats obey physical laws different form those you and I are subject to. Cats
are permitted to ignore gravity on occasion, and they can teleport from one
room to another within the same house at least once per week.

Dave

A Real Programmer can write FORTRAN in any language.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 27 Dec 2002 14:02:22 -0500
From: Ray Sills <raysills@1stconnect.com>
To: QRP list <qrp-l@lehigh.edu>
Subject: [143266] Power connector for FT-817
Message-ID: <BA320DEE.165DB%raysills@1stConnect.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Hi Gang:

I've been looking about in the FT-817 instruction manual, but there does not
seem to be an indication of the size of that barrel connector used for
external power. It looks like it could be a Radio Shack item. Does anyone

know for sure? And the part number? I suppose I could order a power cord from Yaesu, but it would most likely be faster to make one.

73 de Ray
K2ULR
FN20t1

Date: Fri, 27 Dec 2002 08:43:28 -0600
From: Karl Kanalz <kkanalz@gcecis.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143267] RE:Aluminum (aluminium) Layer in a CD
Message-ID: <01C2ADA9.A6B5B640@KKANALZ>

I think you'll find, Dave, that the aluminum layer in a CD is very, very, very thin for making an electrical contact.

Those no-longer-wanted CDs would make excellent capacitors, but I don't think you'd be successful in trying to make an electrical contact to that microscopic aluminum layer...

Framistan (You can call me "Fram") K - W8TIF
McKinney, Texas

-----Original Message-----
From: Dave Richards [SMTP:wr3i@earthlink.net]
Sent: Friday, December 27, 2002 7:11 AM
To: Low Power Amateur Radio Discussion
Subject: RE: Where do CDs go when they die?

Is it possible to make an electrical contact to the aluminum so that they can be super glued together to make capacitors for antenna work?

Dave
W1QB

Date: Fri, 27 Dec 2002 14:09:45 EST
From: n5ib@juno.com

To: qrp-1@Lehigh.edu
Subject: [143268] Solar power regulator for RockMite
Message-ID: <20021227.130447.4631.0.n5ib@juno.com>

Had a couple of requests, so I posted a pair of photos and a schematic of the regulator as installed on a 5 W Harbor Freight solar panel. The photo shows a 7812, but the schematic calls out a 340T-12. No real difference for this application. I had removed the stock connector that came on the back of the panel and substituted a barrier strip.

See <<http://www.qsl.net/n5ib>> and follow the link to the RockMite section

72
Jim N5IB

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Date: Fri, 27 Dec 2002 13:19:38 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: raysills@1stconnect.com,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [143269] Re: Power connector for FT-817
Message-ID: <3.0.2.32.20021227131938.008a21e0@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ray,

The connector is 4 x 1.7 mm and an RS number is 274-1532.

A Mouser number is 171-3219

At 02:02 PM 12/27/2002 -0500, Ray Sills wrote:

>Hi Gang:

>

>I've been looking about in the FT-817 instruction manual, but there does not
>seem to be an indication of the size of that barrel connector used for
>external power. It looks like it could be a Radio Shack item. Does anyone
>know for sure? And the part number? I suppose I could order a power cord

>from Yaesu, but it would most likely be faster to make one.

>

>

>73 de Ray

>K2ULR

>FN20t1

>

>

>

>

>

>

Email Alt: w5usj@arrl.net

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, QRPp-I #115, ARS #1280, SOC #57
Zombie #759, COG #11, 6 Club #201, NETXQRP <http://www.netxqrp.org>

Date: Fri, 27 Dec 2002 14:30:48 -0500

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [143270] Re: Power connector for FT-817

Message-ID: <5.1.1.6.1.20021227142913.00a72160@ipostoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 02:02 PM 12/27/2002 -0500, you wrote:

>Hi Gang:

>

>I've been looking about in the FT-817 instruction manual, but there does not
>seem to be an indication of the size of that barrel connector used for
>external power. It looks like it could be a Radio Shack item. Does anyone
>know for sure? And the part number? I suppose I could order a power cord
>from Yaesu, but it would most likely be faster to make one.

Ray,

This is from a private Web page:

<http://home.teleport.com/~n3eg/ft817.htm>

The very first item:

"Things not in the manual or misprints:

Power connector: Rat Shack 274-1532 4.0x1.7mm coaxial, tip positive.

Use a 3 to 5 amp fuse in the power lead. "

I haven't verified this, however, so beware.

Dave

A Real Programmer can write FORTRAN in any language.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 27 Dec 2002 14:36:45 -0500
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: qrp-1@lehigh.edu
Subject: [143271] Loop Antennas
Message-ID: <E1F0152638DBD311AEF700D0B74455E2AF487B@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Santa was real nice this year, and brought me an FT-817. But I digress...

I moved to a new location, and have a little more room for antennas. For the higher bands, I can do simple dipoles; but lower bands still have the same restrictions. I think I will try out a loop, but a question first before I get out the handbook: is there a benefit to a 7' square loop over the 3 and 4 foot square loops that I keep seeing? My porch has the columns at about 7'x7', so my natural inclination is to use that as a support. I have some nice 14g wire sitting around (it might be 12g), and I'd like to get 80/40 tun-ability on this loop.

Also, I've noticed that there is two methods of feeding: an inductive small loop vs resonating the loop with a capacitor. Is the inductive feed to reduce the necessary capacitance (or raise it, or lower the necessary voltage rating of the capacitor) to resonate? What are the pro's/con's? Thanks.

Shawn Upton, KB1CKT

Date: Fri, 27 Dec 2002 14:34:28 -0500 (EST)

From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [143272] The "AOL" CD Vari-cap
Message-ID: <Pine.LNX.4.33.0212271403460.15864-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

This thread struck a nerve with me, and being on vacation, I had to head down to the basement to do some 'spearimentin :) The best way I could get contact to the substrate on the CD's was via a star washer and a small nut and bolt. The star washer was on the "top" side of the CD. Measured about 20 ohms across the surface of the disk.

Next I cut the disk in half by scoring it with an exacto knife and giving it a quick flex. This part of the process needs a bit of work since it wasn't a clean break, but clean enough for SOP Engineering. *SOP - Seat Of the Pants.

Hooked up the AADE LC/II meter (get one! 'nuf said) and get between 30 and 350pf max capacitance depending on the orientation of the CD's. Top to top, gets you the most since the mylar is closest to the top, and bottom to bottom is the lowest. But top to bottom is about 60pf and the way I would set them up if I was going to gang multiple CD's. If I gang up 6 or so I should get about 300 pf out of it. I think I can connect the halves together with some brass all-thread, spaced out with washers and get the two halves of the cap to mesh. Now to work out the turning mechanism...

I did notice that the two halves respond to pressure, so there might be some sort of compression cap in this thing too. But for now I'm gonna concentrate on a traditional semi-circle variable cap. Looks like a trip to the hardware store is inevitable :)

[Sidenote: The hardware store people used to ask if I needed help, one of them made the mistake of asking what I was doing. So I explained, in great detail, a coaxial cap and shorting strap for a gamma match on a loop yagi for HF. Now they leave me browse in peace :)]

When I saw the 350pf in the initial test, I immediately thought, tuner! Might have to fire up the HV power supply and see what the breakdown voltage is. This thing might be just the (ugly) ticket for tuning those small loop antennas.

Now to try and find all the cast off CD's from wherever they magiacally appear. My wife (who's an EE) asked me what I was so excited about, I told her about the intense technical discussion that was going on about what happens when you microwave a CD. I got that head shake thing that I think most of you will understand :) Women just don't seem to see the fun in "blowin' stuff up"...

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 27 Dec 2002 13:30:38 -0600
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: <raysills@1stconnect.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143273] Re: Power connector for FT-817
Message-ID: <200212272025.0AA16489@steel.eosinc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: quoted-printable

On Fri, 27 Dec 2002 14:02:22 -0500, Ray Sills wrote:

>I've been looking about in the FT-817 instruction manual, but=
there
>does not seem to be an indication of the size of that barrel
>connector used for external power. It looks like it could be a
>Radio Shack item. Does anyone know for sure? And the part=
number?
>I suppose I could order a power cord from Yaesu, but it would=
most
>likely be faster to make one.

I don't have the part number handy but it is a Radio Shack item.=
If you go to
the FT-817 group at www.yahogroups.com and look in the FT-817=
FAQ the part
number is listed there.

Tim, N9PUZ
<http://www.qsl.net/n9puz>

Date: Fri, 27 Dec 2002 13:41:49 -0600
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'mdc@oldboy.net'" <mdc@oldboy.net>,

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [143274] RE: Where CDs and Socks Go When They Die
Message-ID: <01C2ADAD.C043A000@KKANALZ>

Coat (or shirt) hangers *never* die! They multiply when you put them in the dark of your closet!

That's probably why we have so many Alaskans and Norwegians?

Framistan (You can call me "Fram") K - W8TIF
McKinney, Texas

-----Original Message-----

From: Michael Clark [SMTP:mdc@oldboy.net]
Sent: Friday, December 27, 2002 8:05 AM
To: Low Power Amateur Radio Discussion
Subject: RE: Where do CDs go when they die?

I thought it was a well-known fact that socks are the larval form of coat hangers. Ever wonder why the sock disappears, but the hangers multiply?

73,
Michael - AA4YH

On Fri, 2002-12-27 at 05:06, Karl Kanalz wrote:

> CDs go to the same place that one-of-a-pair of socks go to, Scott! Some
> day, perhaps when I die, I'll finally find that Nirvana where all my
> "missing" socks have mysteriously gone to! (Pardon that preposition
> sentence ending!).

Date: Fri, 27 Dec 2002 15:08:30 -0500 (EST)
From: tomb@kiva.net (Thomas H. Busch)
To: qrp-1@lehigh.edu
Cc: ccart@phideaux.com
Subject: [143275] Re: The "AOL" CD Vari-cap
Message-ID: <20021227200830.26EB134F11@mayhem.kiva.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There is an even easier way to do it without needing to connect to the metal film and without (!) polycarbonate shards flying around.

The CD is metal film sandwiched between two polycarbonate disks. Score and take out a 1/8" strip of polycarbonate across one side and scrape out the metal film. This leaves you with two halves of metal.

Take a board and lay out two strips of conductive material 1/8" apart. Each strip about the same size as the CD halves. Make your connections to these two strips.

Affix some sort of spindle, and lay the CD over it, smooth side down.

There is a picture on Yahoo Groups:

<http://photos.groups.yahoo.com/group/thecrystalsetradioclub/vwp?.dir=/gm69camaro%27s+projects&.dnm=CD+variable+Capacitor.jpg&.src=gr&.view=1&.done=http%3a//photos.groups.yahoo.com/group/thecrystalsetradioclub/1st%3f%26.dir=/gm69camaro%2527s%2bprojects%26.src=gr%26.view=1>

You'll have to join the group to see it, but you can unjoin just as easily. It was first described in the Xtal Set Society newsletter.

I don't get the capacitance they claim, but I think it is a function of the foil and substrate material.

73,

TomB

Date: Fri, 27 Dec 2002 14:16:22 -0600
From: Karl Kanalz <kkanalz@gcecis.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [143276] RE: Microwave cooked CDs
Message-ID: <01C2ADB2.8E3C5DE0@KKANALZ>

Those are "crap circles" (crop circles?), Nick!!

KK - W8TIF
McKinney, Texas

-----Original Message-----

From: Nick Kennedy [SMTP:nkennedy@tcainternet.com]
Sent: Friday, December 27, 2002 10:28 AM
To: Low Power Amateur Radio Discussion
Subject: Microwave cooked CDs--technical basis?

<snip>

My question is--is the resulting pattern on the CD related to the wavelength of the microwaves? It produces both circumferential (circular) burned marks and radial ones (spokes). The circles are fairly evenly spaced, maybe 1/4 to 3/8 inches apart. The spacing of the spokes is similar--maybe 3/8 to 1/2 inch. I'd imagine standing waves on the surface are producing current and voltage maxima and some fraction of the wavelength to cause the burning.

Experts?

72--Nick, WA5BDU

Date: Fri, 27 Dec 2002 14:11:59 -0600
From: KD5NWA <KD5NWA@cbayona.com>
To: SUpton@ALLEGROMICRO.com, qrp-1@lehigh.edu
Subject: [143277] Re: Loop Antennas
Message-ID: <5.2.0.9.0.20021227134529.00a77bd8@pop.cbayona.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

You actually need both, the capacitor is used to resonate the loop to frequency you are using, the small loop is used to couple the RF from/to your transmitter/receiver. In order to be a efficient transmitter loop you usually use thick copper pipe to keep the losses low and special capacitors also. I have included a URL to a source of antenna information that will help you figure it out, it provides examples of several different loops and how to make them.

<http://www.ac6v.com/antprojects.htm>

At 01:36 PM 12/27/2002, you wrote:

>Santa was real nice this year, and brought me an FT-817. But I digress...

>

>I moved to a new location, and have a little more room for antennas. For
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>get 80/40 tun-ability on this loop.

>

>Also, I've noticed that there is two methods of feeding: an inductive small
>loop vs resonating the loop with a capacitor. Is the inductive feed to

>reduce the necessary capacitance (or raise it, or lower the necessary
>voltage rating of the capacitor) to resonate? What are the pro's/con's?
>Thanks.
>
>Shawn Upton, KB1CKT

Cecil
KD5NWA

Date: Fri, 27 Dec 2002 15:24:50 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [143278] RE: ARRL Members Only QRP Item - Correction
Message-ID: <721D3436A7C2B344A301FD4A413C71A9BFBD25@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Just a minor correction -- The article is on the public part of the ARRL =
web site. Like most of what is on the arrl.org pages, it is accessible =
to all.

73,=20
Ed Hare, W1RFI
ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----
> From: Alan Kaul, W6RCL [mailto:alan.kaul@worldnet.att.net]
> Sent: Friday, December 27, 2002 1:16 PM
> To: Low Power Amateur Radio Discussion
> Subject: ARRL Members Only QRP Item
>=20
>=20
>=20
> K8ZT has written a nifty primer on QRP construction which is=20
> on the ARRL

> Members Only website at:
>=20
> <http://www.arrl.org/news/features/2002/12/27/1/>
>=20
> It has links to many of the terrific QRP kit sites as well.
>=20
> Happy Holidays to all and best 72/73 de alan
>=20
> Alan Kaul, W6RCL, LaCanada, CA
> w6rcl@amsat.org
> <http://home.att.net/~alan.kaul/index.html>
>=20
>=20

Date: Fri, 27 Dec 2002 14:30:34 -0600
From: "Mark Andrews" <KE4IOF@KE4IOF.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [143279] OT: Amateur Radio Software Webring
Message-ID: <005c01c2ade6\$cf687d10\$b16e640a@vitalworks.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

If you create/develop/distribute software for Amateur Radio Operators,
whether for profit or for fun, I invite you to join the Amateur Radio
Software Webring. Simply go here

<http://S.webring.com/wrman?ring=amateurradiosoft&addsite>

make a simple change to your website's index page and you'll be included
ASAP.

If you aren't interested, then no problem. You'll never be bothered again.

Thanks,

Mark

Mark A. Andrews, KE4IOF

Date: Fri, 27 Dec 2002 15:32:26 -0500

From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [143280] Re: The "AOL" CD Vari-cap
Message-ID: <5.1.1.6.1.20021227152232.00a6bbf0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Next I cut the disk in half by scoring it with an exacto knife and giving
>it a quick flex. This part of the process needs a bit of work since it
>wasn't a clean break, but clean enough for SOP Engineering. *SOP - Seat
>Of the Pants.

Chris,

Maybe it isn't necessary to cut them in half. Since you need a full disk
diameter's worth of turning radius anyway, how about just sanding the Al
off of half of the disk?

>Hooked up the AADE LC/II meter (get one! 'nuf said) and get between 30 and
>350pf max capacitance depending on the orientation of the CD's. Top to
>top, gets you the most since the mylar is closest to the top, and bottom
>to bottom is the lowest. But top to bottom is about 60pf and the way I
>would set them up if I was going to gang multiple CD's. If I gang up 6 or
>so I should get about 300 pf out of it. I think I can connect the halves
>together with some brass all-thread, spaced out with washers and get the
>two halves of the cap to mesh. Now to work out the turning mechanism...

A rubber wheel that engages the edge of the disk(s)? Like a phonograph
idler wheel maybe?

>[Sidenote: The hardware store people used to ask if I needed help, one of
>them made the mistake of asking what I was doing. So I explained, in
>great detail, a coaxial cap and shorting strap for a gamma match on a loop
>yagi for HF. Now they leave me browse in peace :)]

I usually establish myself with new hardware store staff by asking for
powdered aluminum. If they ask what it's for, I tell 'em it's to make
thermite. If they ask what thermite is, I tell 'em it's for incendiary
devices. If they ask what an incendiary device is, I tell 'em it's for welding.

(I did have a guy tell me he didn't have powdered aluminum, but he knew
where I could get the other ingredient for thermite. We got along quite
well. He knew when to offer to help and when to leave me alone.)

>When I saw the 350pf in the initial test, I immediately thought, tuner!
>Might have to fire up the HV power supply and see what the breakdown
>voltage is. This thing might be just the (ugly) ticket for tuning those

>small loop antennas.

That'd be slick!

>Now to try and find all the cast off CD's from wherever they magiacally
>appear. My wife (who's an EE) asked me what I was so excited about, I
>told her about the intense technical discussion that was going on about
>what happens when you microwave a CD. I got that head shake thing that I
>think most of you will understand :) Women just don't seem to see the
>fun in "blowin' stuff up"...

Makes me feel sorry for the guys that work for the American Society for
Nondestructive Testing. (Yes, such an organization exists. I worked next
door to them - blowing things up.)

Dave

A Real Programmer can write FORTRAN in any language.

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Fri, 27 Dec 2002 15:35:01 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [143281] Re: The "AOL" CD Vari-cap
Message-ID: <003301c2ade7\$7064cca0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I usually establish myself with new hardware store staff by asking for
> powdered aluminum. If they ask what it's for, I tell 'em it's to make
> thermite. If they ask what thermite is, I tell 'em it's for incendiary
> devices. If they ask what an incendiary device is, I tell 'em it's for
welding.

Also used for rocket fuel and for what was called 'Superfuel'. Ever
wonder why firecrackers are silver when you break them open?
360 mesh...

Also used in paint....

Mike

Date: Fri, 27 Dec 2002 15:41:45 -0500
From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>
To: <fpqrp-1@mpna.com>, <qrp-1@Lehigh.EDU>
Cc: "TIS" <tis@arrl.org>
Subject: [143282] Technical Article Heaven!
Message-ID: <721D3436A7C2B344A301FD4A413C71A9ADF3A7@kosh.ARRLHQ.ORG>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: quoted-printable

I made a list of all of the technical articles available for download =
from the ARRL Technical Information Service web pages. The list includes =
QST articles, QEX articles and some reprints from older ARRL books and =
such. About 65% public, 35% members only.=20

If you print the list, make sure you have plenty of paper -- the list =
alone is over 50 pages!

<http://www.arrl.org/~ehare/TISarticles.html>

Until I saw this all in one place, the magnitude of what our TIS =
Coordinator has done in putting the pages together hadn't hit me. Man, =
there's more stuff there than a fellow can read in a lifetime! :-) Good =
work, Al!

73,=20
Ed Hare, W1RFI
ARRL Lab
=20

Date: Fri, 27 Dec 2002 14:45:42 -0600
From: "George, W5YR" <w5yr@att.net>
To: <WD8CIV@worldnet.att.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [143283] Re: The "AOL" CD Vari-cap
Message-ID: <019401c2ade8\$ed1e5080\$0201a8c0@fairviewtx.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave, does the tuning cap for a small loop have to handle much current?

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
K2 #489 IC-765 #2349 IC-756 PRO #2121 IC-756 PRO2 #3235

----- Original Message -----
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, December 27, 2002 2:32 PM
Subject: Re: The "AOL" CD Vari-cap

> >When I saw the 350pf in the initial test, I immediately thought,
tuner!
> >Might have to fire up the HV power supply and see what the
breakdown
> >voltage is. This thing might be just the (ugly) ticket for tuning
those
> >small loop antennas.

Date: Fri, 27 Dec 2002 15:58:50 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [143284] Re: The "AOL" CD Vari-cap
Message-ID: <5.1.1.6.1.20021227155740.00a7c830@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

George,

Sorry - I was just replying to someone else. I don't know nothin' about no loops, except when one of my programs gets stuck in one.

Dave

At 02:45 PM 12/27/2002 -0600, you wrote:

>Dave, does the tuning cap for a small loop have to handle much
>current?

>

>73/72, George

>Amateur Radio W5YR - the Yellow Rose of Texas

>In the 57th year and it just keeps getting better!

>Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

>K2 #489 IC-765 #2349 IC-756 PRO #2121 IC-756 PRO2 #3235

>

>----- Original Message -----

>From: "David Hinerman" <WD8CIV@worldnet.att.net>

>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

>Sent: Friday, December 27, 2002 2:32 PM

>Subject: Re: The "AOL" CD Vari-cap

>

>

>

> > >When I saw the 350pf in the initial test, I immediately thought,
>tuner!

> > >Might have to fire up the HV power supply and see what the
>breakdown

> > >voltage is. This thing might be just the (ugly) ticket for tuning
>those

> > >small loop antennas.

A Real Programmer can write FORTRAN in any language.

Dave Hinerman

WD8CIV@worldnet.att.net

Date: Fri, 27 Dec 2002 16:04:53 -0500

From: Paul Valko <w8kc@comcast.net>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [143285] Latest Addition...

Message-ID: <002a01c2adeb\$9a8989e0\$6501a8c0@p4main>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

To the QRP-L Subject Line Killfile...

CD

ObQRP - Winter in the midwest gives nice quiet evenings to try your qrp skills on 160M. Take a break from that cheap DX on 10M for a while.

73! =paul= W8KC

Collector of Ten*Tecs and Other Fine Plastics.

Visit the Virtual Ten*Tec Museum at <http://mywebpages.comcast.net/w8kc>

Date: Fri, 27 Dec 2002 15:27:10 -0600
From: "Joe Martin" <km5cw@arrl.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [143286] Re: Solar power regulator for RockMite
Message-ID: <010201c2adee\$b7ed5040\$e32dbad0@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Great web site Jim,
I also enjoyed the SMT tips, I just knew there had to be a better way to hold those little smt componets still<g> Love the RM-20 shots too.
Just about finished with my hardware set up for the RM-20 I just finished.
working on the NJ QRP club LPBalun today,,waiting for the NorCal BLT parts next. Hope I can finish it all in time for SKN,,,just waiting for that big Brown truck.

73 de KM5CW Joe

FISTS #4217 QRPARCI #11368 NETXQRP#42

RockMite 20

GRID-EM13kf

(<http://web.wt.net/~km5cw>)

..-.. -.-.. -.-..

----- Original Message -----

From: <n5ib@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, December 27, 2002 1:09 PM
Subject: Solar power regulator for RockMite

> Had a couple of requests, so I posted a pair of photos and a schematic of
> the regulator as installed on a 5 W Harbor Freight solar panel. The photo
> shows a 7812, but the schematic calls out a 340T-12. No real difference
> for this application. I had removed the stock connector that came on the

> back of the panel and substituted a barrier strip.
>
> See <<http://www.qsl.net/n5ib>> and follow the link to the RockMite section
>
> 72
> Jim N5IB
>
>
>
>
> -----
> Sign Up for Juno Platinum Internet Access Today
> Only \$9.95 per month!
> Visit www.juno.com

Date: Fri, 27 Dec 2002 16:36:57 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143287] Re: Latest Addition...
Message-ID: <3E0C81A9.30461.1A6D1B51@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 27 Dec 2002 at 16:04, Paul Valko wrote:

> To the QRP-L Subject Line Killfile...
>
> CD
>

Why should any one care what you put in your killfile? Or, is this a subtle way to suggest that you may not like the recent thread, which even includes Ham radio (QRP) uses for old CDs, and therefore everyone should cease and desist because Paul doesn't like it.

+---+---+---+---+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+---+---+---+---+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Fri, 27 Dec 2002 14:57:52 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [143288] WAS Paper work
Message-ID: <Pine.LNX.4.44.0212271448120.2241-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I need to keep track of the cards I need, ask for, and have. I will be looking up the address of guys I have worked. So all this needs to be on the paper. I think it will look like:

State	Date	Call	Address	Worked	QSL-Sent	QSL-Received
Alaska	11/98	k17a	1123 street	X	X	X
Alabama	2/99	w5abc	34 Foot St. Huntsville	X	X	X

Looks like I need more space for the address. Will fool around a little.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 27 Dec 2002 16:53:50 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: "Thomas H. Busch" <tomb@kiva.net>
Cc: qrp-l <qrp-l@lehigh.edu>
Subject: [143289] AOL CD as stripline transformer
Message-ID: <Pine.LNX.4.44.0212271650250.27317-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You could use CDs for stripline matching networks, too!

On Fri, 27 Dec 2002, Thomas H. Busch wrote:

> There is an even easier way to do it without needing to connect to the
> metal film and without (!) polycarbonate shards flying around.
>
> The CD is metal film sandwiched between two polycarbonate disks. Score
> and take out a 1/8" strip of polycarbonate across one side and scrape out
> the metal film. This leaves you with two halves of metal.
>

> Take a board and lay out two strips of conductive material 1/8" apart.
> Each strip about the same size as the CD halves. Make your connections to
> these two strips.
>
> Affix some sort of spindle, and lay the CD over it, smooth side down.
>
> There is a picture on Yahoo Groups:
> <http://photos.groups.yahoo.com/group/thecrystalsetradioclub/vwp?.dir=/gm69camaro%27s+projects&.dnm=CD+variable+Capacitor.jpg&.src=gr&.view=1&.done=http%3a//photos.groups.yahoo.com/group/thecrystalsetradioclub/1st%3f%26.dir=/gm69camaro%2527s%2bprojects%26.src=gr%26.view=1>
>
> You'll have to join the group to see it, but you can unjoin just as
> easily. It was first described in the Xtal Set Society newsletter.
>
> I don't get the capacitance they claim, but I think it is a function of
> the foil and substrate material.
>
> 73,
>
> TomB
>

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Fri, 27 Dec 2002 14:54:04 -0700
From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-1" <qrp-1@Lehigh.EDU>, "ncarc-1" <ncarc@mailman.qth.net>,
"cqc-1" <CQCLIST@yahoogroups.com>, <elecraft@mailman.qth.net>
Subject: [143290] Marconi Special Event Station
Message-ID: <004e01c2adf2\$79f51170\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

To commemorate the 100th anniversary of Marconi's transatlantic
transmission, a special event station/operation is planned. More info
at:

<http://www.qrz.com/callsign/KM1CC>

and

<http://www.arrl.org/news/stories/2002/12/23/1/>

Happy Holidays
73, Rod NØRC

Date: Fri, 27 Dec 2002 15:10:44 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [143291] Getting addresses
Message-ID: <Pine.LNX.4.44.0212271502090.2241-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just went to the ARRL web page and had it look up the call
k5oi who I know well. It came up with a listing which I saved as a
portable file. I can put it anywhere on a page: Pettibone, Timothy J,
K5OI (Extra)
2610 S Cambridge
Stillwater, OK 74074

Or make it look right this way:

Pettibone, Timothy J, K5OI (Extra)
2610 S Cambridge
Stillwater, OK 74074

So I can make up mail sheets to put on the outside envelope and
I have a stamp with my address for the inside envelope. Looking good and
think I will leave the address off the main list.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Fri, 27 Dec 2002 17:24:32 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [143292] Re: WAS Paper work
Message-ID: <3E0C8CD0.16986.1A98A763@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 27 Dec 2002 at 14:57, Karl F. Larsen wrote:

>
> I need to keep track of the cards I need, ask for, and have. I
> will be looking up the address of guys I have worked. So all this needs

> to be on the paper. I think it will look like:
>
> State Date Call Address Worked QSL-Sent QSL-Received
>
> Alaska 11/98 kl7a 1123 street X X X
> Alabama 2/99 w5abc 34 Foot St. Huntsville X X X
>
> Looks like I need more space for the address. Will fool around a
> little.
>
> --
>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
>
>

Wow, is this exciting stuff? Be sure to keep us posted on stuff like what
kind of ink you use on the stamp, and in what technical fashion you get
more space for the address.

Can hardly wait for next installment.

+-----+ John L. Sielke
|W||2||A||G||N| http://www.w2agn.net [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Fri, 27 Dec 2002 17:26:09 -0500
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [143293] Re: Getting addresses
Message-ID: <3E0C8D31.32119.1A9A21C8@localhost>

MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 27 Dec 2002 at 15:10, Karl F. Larsen wrote:

>
> I just went to the ARRL web page and had it look up the call
> k5oi who I know well. It came up with a listing which I saved as a
> portable file. I can put it anywhere on a page:Pettibone, Timothy J,
> K5OI (Extra)
> 2610 S Cambridge
> Stillwater, OK 74074
>
> Or make it look right this way:
>
> Pettibone, Timothy J, K5OI (Extra)
> 2610 S Cambridge
> Stillwater, OK 74074
>
> So I can make up mail sheets to put on the outside envelope and
> I have a stamp with my address for the inside envelope. Looking good
> and
> think I will leave the address off the main list.
>
> --
>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
>

I bet there is some secret way you can even cut and paste in Linux, to
move it right to a printing program. Be sure to tell us how you do that.

+-----+ John L. Sielke
|W||2||A||G||N| <http://www.w2agn.net> [UPDATED]
+-----+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

Date: Fri, 27 Dec 2002 14:42:20 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [143294] Re: WAS Paper work
Message-ID: <MABBJ0EAB0ILMKCJCLFCGEFADOAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl
I've been working on WAS for quite a while also.
I suggest in your QSL Sent column you enter the
date your card is sent, rather than just an X.
That way, you will know how long it has been and
whether a follow-up might be in order.
Good luck and 73,
Bob N6WG

Date: Fri, 27 Dec 2002 17:43:46 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-l@Lehigh.EDU>
Cc: <fpqrp-l@mpna.com>
Subject: [143295] WAP-2003 Contest
Message-ID: <003a01c2adf9\$6ab23100\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

I am announcing the "Worked-All-Pigs" contest for 2003.

I know there are many FP members on QRP-L that are not active
on the FPqrp-L reflector. If you wish to participate, read the
info on the following link. This should be a blast.

<http://fpqrp.com/wap-2003.html>

PS: The database for the logging will be completed by Dec 31st (this year)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400
<http://kitsandparts.com>

Date: Fri, 27 Dec 2002 17:54:30 -0500

From: Fred Lesnick <flesnick@tbaytel.net>
To: w8diz@fpqrp.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [143296] Re: WAP-2003 Contest
Message-ID: <3E0CDA26.F1BDAA79@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Count me in for 2003.....looking for as much bacon as I can
handle.....
Sounds like lots of fun.....

Fred
VE3FAL
FP#101

w8diz wrote:

>
> Hi Gang,
>
> I am announcing the "Worked-All-Pigs" contest for 2003.
>
> I know there are many FP members on QRP-L that are not active
> on the FPqrp-L reflector. If you wish to participate, read the
> info on the following link. This should be a blast.
>
> <http://fpqrp.com/wap-2003.html>
>
> PS: The database for the logging will be completed by Dec 31st (this year)
>
> 72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
> Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
> FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400
> <http://kitsandparts.com>

Date: Fri, 27 Dec 2002 17:56:55 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [143297] DSWTUN03 hardware interface prototype designed, built, tested...
(long)
Message-ID: <BAY1-F16TXbQ01SdcKJ0001eb14@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi, gang.

It's been just me and Ellie Belle(aka, B-Dawg) down here in studio B today while Martha and the girls are out shopping and visiting and such.

Cut me off a little piece of some cheap R/S proto board I bought years ago and soldered to it a 74LS32 (Quad, 2-input OR) from 1977. Only needed a single OR gate for the FSELECT function(pin 10 of the AD9835 DDS chip), to allow it to be manipulated by either the remote PC OR the DSW-X0's PIC, pin 8, without having to throw a manual switch. But, wound up using the other three OR gates as buffers for the now-switched signals...FSYNC, SCLK and SDATA. A pretty little red C&K 3PDT, ON-OFF-ON, mini-toggle switch routes these three 'now-switched' signals to the DDS, from either the remote PC or the DSW-X0's onboard PIC, as desired.

It's all kinda haywired right now...and probably will forever remain so. No software for this little project as yet...just wanted to proveout the simple interface while attempting to not destroy the DDS, PIC or PC in the process.

I'm using my DSW-30 as a test-bed for this little adventure.

So, I programmed 6110 KHz(DSW-30's power-up freq for rcvr mixer injection), and 10110 KHz(DSW-30's power-up freq for xmtr) into adjacent memories of the R/S DX-390 RCVR and placed it near the DSW-30.

Placed the switch in the 'local' position, nervously threw the juice to the DSW-30 and HEY! There's a nice, stable signal on 6110 KHz...WHEW!

To ensure that the DSW's xmit freq also initialized properly, switched the DX-390 to the 10110 KHz memory and momentarily pulsed DSW J2, pin 2 to common. As expected, the DSW-30 sent "S R T SK" in CW with a weak signal on 10110 KHz. This is an easy way to check a DSW's transmit freq without keying drivers Q5, Q6 or the Q7 final.

Oh yes, I replaced the 78L04 at DSW, U6 with a 78L05, which I borrowed from my currently unused DSW-20. This mod, while raising power consumption by the DSW's PIC, DDS and ref OSC, was done so that all devices being interfaced had similar signal levels.

I've been playing around a little with ExpressSCH(ExpressPCB too)and, if I can figure out HOW...I'll put the schematic up on my website sometime.

That's all for now.

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

The new MSN 8: smart spam protection and 3 months FREE*.

<http://join.msn.com/?page=features/junkmail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=>

<http://www.hotmail.msn.com/cgi-bin/>

[getmsg&HL=1216hotmailtaglines_smartspamprotection_3mf](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_smartspamprotection_3mf)

End of QRP-L Digest 2782
